

Safety Data Sheet

Mouse Alpha-Fodrin (SPTAN1) ELISA Kit

Cat#: orb2809799

SECTION 1 PRODUCT IDENTIFICATION

Product name	Mouse Alpha-Fodrin (SPTAN1) ELISA Kit
Catalog Number:	orb2809799
Application	For research use only

SECTION 2 HAZARDS IDENTIFICATION

2.1 ProClin 300

Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]
Sensitization, skin - Category 1

Label Element

Pictogram(s):



Signal Word: WARNING

Hazard statements:

H317: May cause an allergic skin reaction.

Precautionary statements:

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P333+313: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

Other Hazards: None.

2.2 Sulfuric acid (H₂SO₄)

Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]

Skin Corrosion/Irritation - Category 2

Serious eye damage/eye irritation - Category 2A

Label Element

Pictogram(s):



Signal Word: WARNING

Hazard statements:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Precautionary statements:

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of soap and water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

SECTION 3 INFORMATION ON INGREDIENTS

Component	CAS	Weight % content
BSA	9048-46-8	0.1
Glycerol	56-81-5	50
Tween20	9005-64-5	0.05%
Tris	77-86-1	2.5%
3,3',5,5' tetramethylbenzidine	54827-17-7	0.005%
Carbamide peroxide (CP)	124-43-6	0.05%
2N sulfuric acid	7664-93-9	6%
Water	7732-18-5	94%
ProClin300	96118-96-6	0.1

SECTION 4 FIRST-AID MEASURES

Inhalation: Get out of the scene quickly to fresh air. Keep airway open.

If breathing is difficult, give oxygen. If breathing stops, administer artificial respiration immediately.

Seek medical attention.

Skin contact: Immediately remove contaminated clothing and rinse thoroughly with soapy water and water. Seek medical attention.

Eye contact: Immediately separate eyelids and rinse thoroughly with running water or saline. Seek medical attention.

Ingestion: Rinse mouth and do not induce vomiting. Seek immediate medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing agents: Use water spray, dry powder, foam or carbon dioxide extinguishing agents to extinguish the fire.

Avoid using direct running water to extinguish the fire, which may cause splashing of combustible liquids and spread the fire.

Special hazards: No information available.

Firefighting precautions and protective measures: Firefighters must wear air-carrying breathing apparatus and full-body firefighting suits to extinguish the fire upwind.

Move the container from the fire to the open area as far as possible.

If the container in the fire scene has changed color or made a sound from the safety relief device, it must be evacuated immediately.

Isolate the accident scene and prohibit the entry of unrelated personnel. Take in and dispose of fire water to prevent pollution of the environment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Worker protective measures, protective equipment and emergency disposal procedures.

It is recommended that emergency response personnel wear gas-carrying respirators, anti-static clothing, and rubber oil-resistant gloves.

Contact with or across the spill is prohibited. Ground all equipment used during operation. Disconnect the source of the spill if possible. Eliminate all sources of ignition.

Delineate a cautionary area based on the area affected by liquid flow, vapor or dust dispersion, and evacuate extraneous personnel to a safe area from the side and upwind direction.

Environmental protection measures.

Contain spills to avoid contaminating the environment. Prevent spills from entering sewers, surface water and groundwater.

Reception and removal methods of spilled chemicals and disposal materials used.

Small spills: Collect spilled liquid in a sealable container if possible.

Absorb with sand, activated carbon or other inert materials and move to a safe place. Flushing into sewers is prohibited.

Large spills: Construct an embankment or dig a pit to contain it. Seal drainage pipes.

Cover with foam to inhibit evaporation. Transfer to tankers or special collector with explosion-proof pumps, recycle or transport to waste disposal site.

SECTION 7 HANDLING AND STORAGE

7.1 Handling

Operating Precautions.

Prevent static charge build-up (e.g. by grounding).

Operators should be specially trained and strictly follow the operating procedures.

Operation and disposal should be carried out in places with local ventilation or full ventilation facilities.

Avoid eye and skin contact and inhalation of vapors. See Part 8 for individual protective measures.

Keep away from fire and heat sources, no smoking in the workplace. Use explosion-proof ventilation systems and equipment.

If tanking is required, the flow rate should be controlled and grounded to prevent static build-up.

Avoid contact with forbidden substances such as oxidizers (see Part 10 for forbidden substances).

Handle gently to prevent damage to packaging and containers. Emptying the container may leave harmful substances.

Wash your hands after use and prohibit eating and drinking in the workplace. Equip with appropriate variety and quantity of fire-fighting equipment and spill emergency treatment equipment.

7.2 Storage

Store separately from strong oxidizers, strong bases, metals and food and feed. See chemical hazards.

Keep cool. Strictly sealed. Ventilate along the ground.

SECTION 8 EXPOSURE CONTROL/PPE

8.1 Engineering Controls

Prevent the generation of smoke clouds!

Strict management of the work environment!

Separation of the workplace from other workplaces is recommended.

Operate confined to prevent leakage.

Strengthen ventilation.

Set up automatic alarm devices and accident ventilation facilities.

Set up emergency evacuation channels and necessary lagging danger areas.

Set up red zone warning lines, warning signs and Chinese warning instructions, and set up communication and alarm systems.

Provide safety showers and eyewash equipment.

8.2 Personal Protective Equipment

Respiratory: take ventilation, local exhaust ventilation or respiratory protection..

Eye/face: Wear safety glasses or glasses protection combined with respiratory protection.

Hand/skin: protective gloves.

Body protection: Wear toxic permeation resistant overalls.

8.3 Other Protect

No information available

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

9.1 ProClin 300

a) Appearance: Liquid

b) Odour: No data available

c) Odour threshold: No data available

d) pH 4.1 at 100 g/L

e) Melting point/freezing point: -40°C

f) Initial boiling point and boiling range: 189°C

g) Flash point: 118°C - closed cup

h) Evaporation rate: No data available

- i) Flammability (solid, gas): No data available
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapour pressure: No data available
- l) Vapour density: No data available
- m) Relative density: 1.03 g/cm³
- n) Water solubility: Soluble
- o) Auto-ignition temperature: No data available
- p) Decomposition temperature: No data available
- q) Viscosity: No data available
- r) Explosive properties: No data available
- s) Oxidizing properties: No data available

9.2 Sulfuric acid (H₂SO₄)

- a) Appearance: Colorless Liquid
- b) Odor: Pungent
- c) Odor threshold: No data available
- d) pH: ~1
- e) Melting point/freezing point: No data available
- f) Boiling point/Boiling range: No data available
- g) Flash point: No data available
- h) Evaporation rate: No data available
- i) Flammability (solid, gas): No data available
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapor density: No data available
- l) Vapor pressure: No data available
- m) Relative density: No data available
- n) Solubility in/Miscibility with Water: Soluble
- o) Partition coefficient: noctoanol/water: No data available

p) Auto igniting: No data available

q) Decomposition temperature: No data available

r) Viscosity: No data available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, flames and sparks

10.5 Incompatible materials

For Stop Solution (acid): Bases, metals, metal oxides.

10.6 Hazardous decomposition products

Other decomposition products: No data available

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: No data available

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

SECTION 13 DISPOSAL CONSIDERATION

Waste chemicals: Dispose of in accordance with relevant national and local regulations or contact the factory or manufacturer to determine the disposal method.

Contaminated packaging: Return container to manufacturer or dispose of in accordance with national or local regulations

Disposal Notes: Please refer to relevant national and local regulations before disposal.

SECTION 14 TRANSPORT INFORMATION

RID/ADR: Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA: Non-Hazardous for Air Transport.

IMO: Non-Hazardous for Sea Transport.

SECTION 15 REGULATORY INFORMATION

Regulatory information: ISO 11014-2009 Safety data sheets for chemical products - Contents and sequence of parts.

Regulation (EC) No. 1272/2008 Classification, labelling and packaging of substances and mixtures.

SECTION 16 OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.