

Product Datasheet

Human APP / Abeta42 Protein, His Tag (orb3158238)

Catalog Number	orb3158238
Category	Proteins
Description	<p>Amyloid precursor protein (APP) is a type I integral membrane protein ubiquitously expressed in many tissues and concentrated in the synapses of neurons. It has three predominant splice variants: APP695, APP751, and APP770. The majority of APP is cleaved at the plasma membrane by the α-secretase in the non-amyloidogenic pathway. The amyloidogenic pathway starts with β-secretase cleavage by BACE1 on the N-terminal part of the Aβ domain, releasing sAPPβ from a membrane-anchored fragment named βCTF or C99, which is subsequently cleaved by γ-secretase to release Aβ.</p>
Target	APP
Conjugation	Unconjugated
Tag	C-10 \times His
Reactivity	Human
Form/Appearance	Powder
Buffer/Preservatives	20 mM NaOH
Purity	95%
MW	6.3 kDa
Application notes	<p>This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 6.3 kDa. The protein migrates as 8-9 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE).</p>

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Expression System	E. coli
Endotoxins	1.0 EU per µg
Expression Region	Asp 672 - Ala 713
Storage	-20°C
Note	For research use only
NCBI	P05067
Expiration Date	6 months from date of receipt.

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