

Product Datasheet

Deoxyribonuclease I (orb420121)

Description	Deoxyribonuclease I
Conjugation	Unconjugated
Target	DNASE1
Preservatives	See application note.
Form/Appearance	Liquid (sterile filtered)
Storage	Store vial at -20° C or colder prior to opening product.
Note	For research use only
Application notes	Deoxyribonuclease I application is one unit will cause an increase in the absorbance at 260 nm of 0.001 per minute per ml at 25° C, pH 5.0 when acting on highly polymerized DNA according to the assay method of Kunitz (J.Gen.Physiol. 33, 349 and 363 (1950)). A solution in 1 mM Calcium Chloride and 50% (v/v) glycerol. Specific conditions for reactivity should be optimized by the end user.
Purity	Deoxyribonuclease I is Lyophilized in vials. Each 10,000 unit vial contains 2 mg glycine, 2 µmoles calcium, and ≥10,000 units of DNase I. Each 2,500 unit vial contains 0.5 mg glycine, 0.5 µmoles calcium, and ≥2,500 units of DNase I. Dissolving the entire 10,000 unit vial in 5 ml, or the entire 2,500 unit vial in 1.25 ml, provides the equivalent of a 1 mg/ml solution. (ku = 1000un). Store at 2 - 8°C.
Uniprot ID	P00639
NCBI	9913
Hazard Information	Non-Toxic
Expiration Date	12 months from date of receipt.