Bioactive

DNASE1 Recombinant Protein

Catalog # P5311 Size 10000 Units

Specification

Product Description	Lyophilized. Animal derived components free. RNases & proteases free. Recombinant protein expressed in *Pichia pastoris*.
Biological function	Bovine pancreatic deoxyribonuclease is an endonuclease which splits phosphodiester linkages, preferentially adjacent to a pyrimidine nucleotide yielding polynucleotides with free hydroxyl group at the 3' position and phosphate group at the 5' position.
Host	Yeast
Theoretical MW (kDa)	31.3
Form	Lyophilized
Preparation Method	Yeast expression system
Activity	>=5000 units per mg protein. One Unit causes an increase in absorbance at 260 nm of 0.001 per minute per ml at 25°C when acting upon highly polymerized DNA at pH 5.0.
Recommend Usage	Deoxyribonuclease I Assay; Removing genomic DNA from RNA preparations prior to RT-PCR; Degradation of DNA templates after transcription reactions; Removing unwanted DNA from samples prior to Northern blotting; Removing DNA during biopharma and bioprocessing procedures.
Storage Instruction	Store at 4°C on dry atmosphere.
Note	Contains glycine as a stabilizer. All equipment used to handle product should be RNase-free. Glassware and spatulas need to be heat-treated.

Applications

- Enzyme Activity

Gene Info — DNASE1

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Entrez GeneID	282217
Protein Accession#	P00639
Gene Name	DNASE1
Gene Alias	-
Gene Description	deoxyribonuclease I
Gene Ontology	Hyperlink
Other Designations	-

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