Bioactive

DNASE1 Recombinant Protein

Catalog # P5310 Size 2000 Units

Specification

Product Description	Solution. Animal derived components free. RNases & proteases free. DNASE1 (Bovine) Recombinant Protein is 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	Liquid
Preparation Method	Yeast expression system
Activity	>=2 units per ml. 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.
Supplied Products	10x reaction buffer
Storage Buffer	In 5 mM Calcium Acetate, 4 mg/ml glycine (stabilizer), pH 5.0 and 50% glycerol
Storage Instruction	Store at -20°C.

Applications

- Enzyme Activity

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Gene Info — DNASE1

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

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