Active Recombinant Human RNASE1 Protein, His-tagged

Cat. No. RNASE1-8588H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human RNASE1 Protein(P07998) (Met1-Thr156) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-156 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to hydrolyze yeast RNA. One unit of the enzyme causes an increase in absorbance of 1.0 at 260 nm in 15 min when yeast RNA is hydrolyzed at 37°C and pH 7.0. The specific activity is >2.5×10^6 unit/mg.
Molecular Mass	The recombinant human RNASE1 comprises 139 amino acids and has a predicted molecular mass of 16 kDa. The apparent molecular mass of the protein is approximately 29 ,26 and 22 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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	be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	RNASE1 ribonuclease, RNase A family, 1 (pancreatic) [Homo sapiens]
Official Symbol	RNASE1
Synonyms	RNASE1; ribonuclease, RNase A family, 1 (pancreatic); RNS1; ribonuclease pancreatic; RIB-1; RNase 1; RNase A; HP-RNase; RNase upI-1; ribonuclease 1; ribonuclease A; RIB1; MGC12408;
Gene ID	6035
mRNA Refseq	NM_002933
Protein Refseq	NP_002924
MIM	180440
UniProt ID	P07998

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