

Active Recombinant Full Length Human RNASE1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human RNASE1 (P07998) (Met1-Thr156), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.
Species	Human
Source	HEK293
ProteinLength	Met1-Thr156
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 protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
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 upl-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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