

Active Recombinant Human RNASE1 protein, His-tagged

Cat. No. RNASE1-394H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human RNASE1 protein(P07998)(29~156 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	29-156 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Ribonuclease A (RNASEA) is a member of the pancreatic-type of secretory ribonucleases, a subset of the ribonuclease A superfamily. RNASEA cleaves RNA on the 3' side of pyrimidine nucleotides. The protein acts to degrade ds-RNA over ss-RNA. The activity of recombinant human RNASEA measured by cleaving yeast RNA. One unit of the enzyme causes an increase in absorbance of 0.001 at 260 nm in 15 min when yeast RNA is hydrolyzed at 50°C and pH 5.0. Pipette 50ul of respective recombinant human RNASEA dilution into 100ul 0.1M sodium acetate buffer, pH 5.0, then add 150ul of 0.15mg/ml yeast RNA. The blank tube use 50ul ultrapure water instead of enzyme dilution. All the all tubes Incubate at 50°C for 15 minutes.
Molecular Mass	16.1kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).

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Purity	> 90% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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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