

Recombinant Human RNASE1 Protease

Catalog No.: RP03548LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	6035	P07998

Tags

C-His

Synonyms

RNASE1; RIB1; RNS1 Ribonuclease
pancreatic RNase 1; Ribonuclease A;
RNase A

Product Information

Source	Purification
Mammalian	≥ 95 % as determined by SDS- PAGE.

Calculated MW	Observed MW
15.6 KDa	17-33 KDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.2 μm filtered solution of
20mM PB, 150mM NaCl, 10% Glycerol,
pH 7.4.

Reconstitution

Background

Ribonuclease Pancreatic is a secreted enzyme that belongs to the pancreatic ribonuclease family. RNASE1 is an endonuclease that cleaves internal phosphodiester RNA bonds on the 3'-side of pyrimidine bases. RNASE1 prefers poly(C) as a substrate and hydrolyzes 2',3'-cyclic nucleotides, with a pH optimum near 8.0. RNASE1 acts on single stranded and double stranded RNA.

Basic Information

Description

Recombinant Human RNASE1 Protease is produced by Mammalian expression system. The target protein is expressed with sequence (Lys29-Thr156) of Human RNASE1 (Accession #P07998) fused with His tag at the C-Terminus.

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.
Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

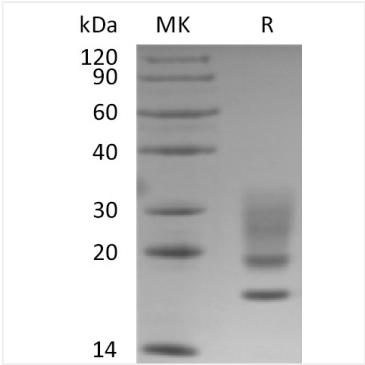
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Validation Data



Recombinant Human RNASE1 Protease was determined by SDS-PAGE under reducing conditions.