Recombinant Human RNASE1 Protease

Catalog No.: RP03548LQ

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Sequence Information

Species
Human

Gene ID
6035

Swiss Prot
P07998

Tags
C-His

Synonyms
RNASE1, RIB1, RNS1, Ribonuclease pancreatic, RNase 1, Ribonuclease A, RNase A

Product Information

Source
Mammalian

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
15.6 KDa

Observed MW
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.

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℃

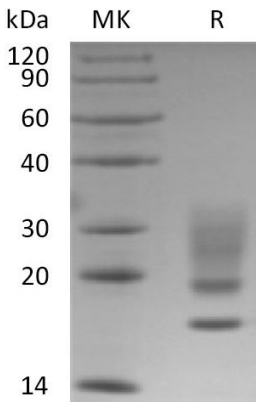
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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