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Datasheet for ABIN1097466

RNASE1 Protein (AA 29-156) (His tag)

Overview

Quantity:	50 µg
Target:	RNASE1
Protein Characteristics:	AA 29-156
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNASE1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Ribonuclease Pancreatic/RNASE1 (C-6His)
Sequence:	KESRAKKFQR QHMDSDSSPS SSSTYCNQMM RRRNMTQGRC KPVNTFVHEP LVDVQNVCFQ EKVTCKNGQG NCYKSNSSMH ITDCRLTNGS RYPNCAYRTS PKERHIIVAC EGSPYVPVHF DASVEDSTVD HHHHHH
Characteristics:	Recombinant Human Ribonuclease Pancreatic/RNASE1 (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	RNASE1
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Target Details

Alternative Name:	Ribonuclease Pancreatic/RNASE1 (RNASE1 Products)
Background:	<p>Recombinant Human Ribonuclease Pancreatic/RNASE1 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Lys29-Thr156) of Human RNASE1 fused with a 6His tag at the C-terminus.</p> <p>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.</p>
Molecular Weight:	15.6 kDa
UniProt:	P07998

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 10 % Glycerol, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months