

Recombinant Human RNASE1, His-tagged

Cat. No. RNASE1-7682H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Ribonuclease Pancreatic/RNASE1 is produced with our mammalian Cells expression system in HEK293. The target protein is expressed with sequence (Lys29Thr156) of Human RNASE1 fused with a 6His tag at the Cterminus.
Species	Human
Source	HEK293
Description	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"cylic nucleotides, with a pH optimum near 8.0. RNASE1 acts on single stranded and double stranded RNA.
Form	Supplied as a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, 10% Glycerol, pH 7.4
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Notes	For research use only.
Storage	Store at less than 20°C. stable for 6 months after receipt.Please minimize freezethaw cycles.

GENE INFORMATION

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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
Chromosome Location	14q11.1
Function	endonuclease activity; hydrolase activity; nucleic acid binding; pancreatic ribonuclease activity; protein binding;

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