



Recombinant Human Ribonuclease pancreatic (RNASE1)

Product Code	CSB-EP019789HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P07998
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	KE SRAKKFQRQH MDS DSSPSSS STYCNQMMRR RNMTQGRCKP VNTFVHEPLV DVQNVCFQEK VTCKNGQGNC YKSNSSMHIT DCRLTNGSRV PNCAYRTSPK ERHIIVACEG SPYVPVHFDA SVEDST
Source	E.coli
Target Names	RNASE1
Protein Names	Recommended name: Ribonuclease pancreatic EC= 3.1.27.5 Alternative name(s): HP-RNase RIB-1 RNase Upl-1 Ribonuclease 1 Short name= RNase 1 Ribonuclease A Short name= RNase A
Expression Region	29-156
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a member of the pancreatic-type of secretory ribonucleases, a subset of the ribonuclease A superfamily. The encoded endonuclease cleaves internal phosphodiester RNA bonds on the 3'-side of pyrimidine bases. It prefers poly(C) as a substrate and hydrolyzes 2',3'-cyclic nucleotides, with a pH optimum near 8.0. The encoded protein is monomeric and more commonly acts to degrade ds-RNA over ss-RNA. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.