



# Recombinant Human Ribonuclease pancreatic (RNASE1)

<b>Product Code</b>	CSB-YP019789HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P07998
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	KE SRAKKFQRQH MDS DSSPSSS STYCNQMMRR RNMTQGRCKP VNTFVHEPLV DVQNVCFQEK VTCKNGQGNC YKSNSSMHIT DCRLTNGSRV PNCAYRTSPK ERHIIVACEG SPYVPVHFDA SVEDST
<b>Source</b>	Yeast
<b>Target Names</b>	RNASE1
<b>Protein Names</b>	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
<b>Expression Region</b>	29-156
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.