

Product datasheet for **TP720748**

Ribonuclease A (RNASE1) (NM_002933) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human ribonuclease, RNase A family, 1 (pancreatic) (RNASE1), transcript variant 4
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Lys29-Thr156
Tag:	C-His
Predicted MW:	15.6 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002924
Locus ID:	6035
UniProt ID:	P07998 , W0UV93
RefSeq Size:	820
Cytogenetics:	14q11.2
RefSeq ORF:	468
Synonyms:	RAC1; RIB1; RNS1



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Summary:

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. [provided by RefSeq, Jul 2008]

Protein Families:

Secreted Protein, Transmembrane