

## Product datasheet for **TP720748L**

### 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:	Supplied as a 0.2 um filtered solution of 20mM PB, 150mM NaCl, 10% Glycerol, pH 7.4.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002924</a>
Locus ID:	6035
UniProt ID:	<a href="#">P07998</a> , <a href="#">W0UV93</a>
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