

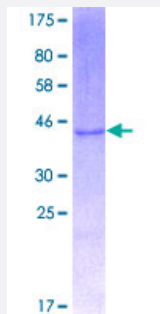
Full-Length

RNASE1 (Human) Recombinant Protein (P01)

Catalog # H00006035-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RNASE1 full-length ORF (AAH05324, 1 a.a. - 156 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALEKSLVRLLLLVLILLVLGWVQPSLGKESRAKKFQRQHMDSDSSPSSSSTYCNQMMRRRNMT
QGRCKPVNTFVHEPLVDVQNVCFQEKVTCCKNGQGNCYKSNSSMHITDCRLTNGSRYPNCAYRTS
PKERHIVACEGSPYVPVHFDASVEDST

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

42.90

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RNASE1

Entrez GeneID [6035](#)

GeneBank Accession# [BC005324](#)

Protein Accession# [AAH05324](#)

Gene Name RNASE1

Gene Alias MGC12408, RIB1, RNS1

Gene Description ribonuclease, RNase A family, 1 (pancreatic)

Omim ID [180440](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations RNase up1-1|pancreatic ribonuclease

Disease

- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)

- [Neoplasm Metastasis](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)