RNASE1 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	RNASE1, Blocking Peptide
Full Product Name	RNASE1 Peptide - N-terminal region
Product Gene Name	RNASE1 blocking peptide
Product Synonym Gene Name	MGC12408; RIB1; RNS1
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	RNASE1 peptide (MBS3230189) is used for blocking the activity of RNASE1 antibody (MBS3205224)
Molecular Weight	15kDa
Product Categories/Family for RNASE1 blocking peptide	Peptide
Applications Tested/Suitable for RNASE1 blocking peptide	Western Blot (WB)
Related Product Information for RNASE1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-RNASE1 antibody made Target Description: 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 substr
Other Notes	Small volumes of RNASE1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RNASE1 purchase	MBS3230189 is a blocking peptide targeting RNASE1. Also known as RNASE1 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RNASE1. It may not necessarily be applicable to this product.

NCBI GI #	4506547
NCBI GeneID	6035
NCBI Accession #	NP_002924
UniProt Primary Accession #	P07998
UniProt Related Accession #	P07998
GenBank Nucleotide #	NM_002933
NCBI Official Full Name	ribonuclease pancreatic
NCBI Official Synonym Full Names	ribonuclease A family member 1, pancreatic
NCBI Official Symbol	RNASE1
NCBI Official Synonym Symbols	RAC1; RIB1; RNS1

UniProt Protein Name	Ribonuclease pancreatic
UniProt Synonym Protein Names	HP-RNase; RIB-1; RNase UpI-1; Ribonuclease 1; RNase 1; Ribonuclease A; RNase A
Protein Family	Ribonuclease pancreatic
UniProt Gene Name	RNASE1
UniProt Synonym Gene Names	RIB1; RNS1; RNase 1; RNase A
NCBI Protein Information	ribonuclease pancreatic
NCBI Summary for RNASE1	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]
UniProt Comments for RNASE1	Endonuclease that catalyzes the cleavage of RNA on the 3' side of pyrimidine nucleotides. Acts on single-stranded and double-stranded RNA.
Research Articles on RNASE1	**1.** Data suggest that ribonuclease inhibitor (RNH1) protects HeLa cells from ribonuclease 1 (RNase 1).
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