RNASE1 Blocking Peptide (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	RNASE1, Blocking Peptide
Full Product Name	RNASE1 Blocking Peptide (N-term)
Product Gene Name	RNASE1 blocking peptide
Product Synonym Gene Name	RIB1; RNS1
Product Synonym Names	Ribonuclease pancreatic; HP-RNase; RIB-1; RNase UpI-1; Ribonuclease 1; RNase 1; Ribonuclease A; RNase A; RNASE1; RIB1; RNS1
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence is selected from aa 29-42 of HUMAN RNASE1
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	RNASE1 peptide (MBS9228889) is used for blocking the activity of RNASE1 antibody (MBS9205381)
Molecular Weight	17,644 Da
OMIM	180440
Cellular Location	Secreted.
Tissue Location	Pancreas and other tissues and body fluids (indicating it may have other physiological functions besides its role in digestion)
Related Product Information for RNASE1 blocking peptide	Endonuclease that catalyzes the cleavage of RNA on the 3' side of pyrimidine nucleotides. Acts on single-stranded and double-stranded RNA.
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	MBS9228889 is a blocking peptide targeting RNASE1. Also known as RNASE1 Blocking Peptide (N-term).

ADDITIONAL DETAILS

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

NCBI GI #	38201686
NCBI GeneID	6035
NCBI Accession #	NP_937878.1
UniProt Primary Accession #	P07998
UniProt Secondary Accession #	Q16830; Q16869; Q1KHR2; Q6ICS5; Q9UCB4; Q9UCB5; B2R589; D3DS06
UniProt Related Accession #	P07998
GenBank Nucleotide #	NM_198235.2
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
UniProt Entry Name	RNAS1_HUMAN
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	RNASE1: Endonuclease that catalyzes the cleavage of RNA on the 3' side of pyrimidine nucleotides. Acts on single stranded and double stranded RNA. Belongs to the pancreatic ribonuclease family. Protein type: Secreted, signal peptide; Ribonuclease; Secreted; EC 3.1.27.5 Chromosomal Location of Human Ortholog: 14q11.2 Molecular Function: protein binding
Research Articles on RNASE1	**1.** Focusing on the increase in an N-glycosylated Asn residue of serum pancreatic ribonuclease 1, specifically Asn(88), affords a new diagnostic marker for pancreatic cancer
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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