PRTN3 Blocking Peptide (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	PRTN3, Blocking Peptide
Full Product Name	PRTN3 Blocking Peptide (C-term)
Product Gene Name	PRTN3 blocking peptide
Product Synonym Gene Name	MBN
Product Synonym Names	Myeloblastin; 3.4.21.76; AGP7; C-ANCA antigen; Leukocyte proteinase 3; PR-3; PR3; Neutrophil proteinase 4; NP-4; P29; Wegener autoantigen; PRTN3; MBN
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 108-118 of HUMAN PRTN3
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	PRTN3 peptide (MBS9230660) is used for blocking the activity of PRTN3 antibody (MBS9217223)
Molecular Weight	27,807 Da
OMIM	177020
Related Product Information for PRTN3 blocking peptide	Polymorphonuclear leukocyte serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro) and causes emphysema when administered by tracheal insufflation to hamsters.
Other Notes	Small volumes of PRTN3 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 PRTN3 purchase	MBS9230660 is a blocking peptide targeting PRTN3. Also known as PRTN3 Blocking Peptide (C-term).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRTN3. It may not necessarily be applicable to this product.

NCBI GI #	6174926
NCBI GeneID	5657
NCBI Accession #	P24158.3
UniProt Primary Accession #	P24158
UniProt Secondary Accession #	P15637; P18078; Q4VB08; Q4VB09; Q6LBM7; Q6LBN2; Q9UD25; Q9UQD8
UniProt Related Accession #	P24158
NCBI Official Full Name	Myeloblastin
NCBI Official Synonym Full Names	proteinase 3
NCBI Official Symbol	PRTN3
NCBI Official Synonym Symbols	MBN; MBT; NP4; P29; PR3; ACPA; AGP7; NP-4; PR-3; CANCA; C-ANCA
UniProt Protein Name	Myeloblastin

UniProt Synonym Protein Names	AGP7; C-ANCA antigen; Leukocyte proteinase 3; PR-3; PR3; Neutrophil proteinase 4; NP-4; P29; Wegener autoantigen
Protein Family	Myeloblastin
UniProt Gene Name	PRTN3
UniProt Synonym Gene Names	MBN; PR-3; PR3; NP-4
UniProt Entry Name	PRTN3_HUMAN
NCBI Protein Information	myeloblastin
UniProt Comments for PRTN3	PRTN3: Polymorphonuclear leukocyte serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro) and causes emphysema when administered by tracheal insufflation to hamsters. Belongs to the peptidase S1 family. Elastase subfamily. Protein type: EC 3.4.21.76; Cell cycle regulation; Protease Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: cytosol; extracellular matrix; extracellular space; plasma membrane Molecular Function: enzyme binding; serine-type endopeptidase activity; serine-type peptidase activity Biological Process: blood coagulation; negative regulation of phagocytosis; positive regulation of cell proliferation
Research Articles on PRTN3	**1.** miR-634 mimics induced a proinflammatory phenotype in monocyte-derived macrophages, with enhanced expression and release of ADAM17 and IL-6 in Proteinase-3 ANCA-Associated Vasculitis
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