Myeloblastin (PRTN3) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Myeloblastin (Prtn3), Recombinant Protein
Full Product Name	Recombinant Mouse Myeloblastin (Prtn3)
Product Gene Name	Prtn3 recombinant protein
Product Synonym Gene Name	Prtn3
Sequence	IVGGHEARPH SRPYVASLQL SRFPGSHFCG GTLIHPRFVL TAAHCLQDIS WQLVTVVLGA HDLLSSEPEQ QKFTISQVFQ NNYNPEENLN DVLLLQLNRT ASLGKEVAVA SLPQQDQTLS QGTQCLAMGW GRLGTQAPTP RVLQELNVTV VTFLCREHNV CTLVPRRAAG ICFGDSGGPL ICNGILHGVD SFVIRECASL QFPDFFARVS MYVDWIQNVL R
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	27,626 Da
Sequence Positions	30-250, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q61096
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Prtn3 recombinant protein	MBS1330296 is a recombinant protein targeting Prtn3. Also known as Recombinant Mouse Myeloblastin (Prtn3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Prtn3 recombinant protein 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Prtn3. It may not necessarily be applicable to this product.

NCBI GI #	31981542
NCBI GeneID	19152
NCBI Accession #	NP_035308.2
UniProt Primary Accession #	Q61096
UniProt Secondary Accession #	O08809

UniProt Related Accession #	Q61096
GenBank Nucleotide #	NM_011178.2
NCBI Official Full Name	myeloblastin
NCBI Official Synonym Full Names	proteinase 3
NCBI Official Symbol	Prtn3
NCBI Official Synonym Symbols	PR3; mPR3
UniProt Protein Name	Myeloblastin
UniProt Synonym Protein Names	Proteinase 3; PR-3
Protein Family	Myeloblastin
UniProt Gene Name	Prtn3
UniProt Synonym Gene Names	PR-3
NCBI Protein Information	myeloblastin
UniProt Comments for Prtn3	Serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro). By cleaving and activating receptor F2RL1/PAR-2, enhances endothelial cell barrier function and thus vascular integrity during neutrophil transendothelial migration. May play a role in neutrophil transendothelial migration, probably when associated with CD177.
Research Articles on Prtn3	**1.** Results provide evidence that proteinase 3 as a new factor involved in non-alcoholic fatty liver disease and insulin resistance.
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