Serine Protease 23 (PRSS23) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Serine protease 23 (Prss23), Recombinant Protein
Full Product Name	Recombinant Mouse Serine protease 23 (Prss23)
Product Gene Name	Prss23 recombinant protein
Product Synonym Gene Name	Prss23
Sequence	YTVPWKPTWP AYRLPVVLPQ STLNLAKADF DAKAKLEVSS SCGPQCHKGT PLPTYEEAKQ YLSYETLYAN GSRTETRVGI YILSNGEGRA RGRDSEATGR SRRKRQIYGY DGRFSIFGKD FLLNYPFSTS VKLSTGCTGT LVAEKHVLTA AHCIHDGKTY VKGTQKLRVG FLKPKYKDGA GGDNSSSSAM PDKMKFQWIR VKRTHVPKGW IKGNANDIGM DYDYALLELK KPHKRQFMKI GVSPPAKQLP GGRIHFSGYD NDRPGNLVYR FCDVKDETYD LLYQQCDAQP GASGSGVYVR MWKRPQQKWE RKIIGIFSGH QWVDMNGSPQ DFNVAVRITP LKYAQICYWI KGNYLDCREG
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	43,071 Da
Sequence Positions	23-382, 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 Q9D6X6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Prss23 recombinant protein	This gene encodes a member of the trypsin family of serine proteases. Mouse studies found a decrease of mRNA levels after ovulation was induced. This gene seems to be highly conserved in vertebrates and may be an important ovarian protease.
Other Notes	Small volumes of Prss23 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.
Searchable Terms for Prss23 purchase	MBS1375807 is a recombinant protein targeting Prss23. Also known as Recombinant Mouse Serine protease 23 (Prss23). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Prss23. It may not necessarily be applicable to this product.

NCBI GI #	31541882
NCBI GeneID	76453

NCBI Accession #	NP_083890.2
UniProt Primary Accession #	Q9D6X6
UniProt Secondary Accession #	Q544M8; Q8VEG1
UniProt Related Accession #	Q9D6X6
GenBank Nucleotide #	NM_029614.4
NCBI Official Full Name	serine protease 23 isoform 4
NCBI Official Synonym Full Names	protease, serine 23
NCBI Official Symbol	Prss23
NCBI Official Synonym Symbols	Spuve; AI790574; 2310046G15Rik; 4930479H08Rik
UniProt Protein Name	Serine protease 23
Protein Family	Serine protease
UniProt Gene Name	Prss23
NCBI Protein Information	serine protease 23
Research Articles on Prss23	**1.** The study demonstrates the distinct expression of Prss23 and Prss35 in the periimplantation uterus and the dispensable role of Prss35 in fertility and embryo development.
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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