

Matrix metalloproteinase-24 (Mmp24) Recombinant Protein | Mmp24 recombinant protein

Recombinant Mouse Matrix metalloproteinase-24 (Mmp24), partial

CATALOG #
AAA116968

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Matrix metalloproteinase-24 (Mmp24); Recombinant Mouse Matrix metalloproteinase-24 (Mmp24); partial; Mmp24 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	42-575. Partial (Extracellular Domain)
Sequence	AGKPAGADAP FAGQNWLSY GYLLPYESRA SALHSGKALQ SAVSTMQQFY GIPVTGVLDQ TTIEWMKKPR CGVPDHPHLS RRRRNKRYAL TGQKWRQKHI TYSIHNYTPK VGELDTRKAI RQAFDVWQKV TPLTFEEVPY HEIKSDRKEA DIMIFFASGF HGDSSPFDGE GGFLAHAYFP GPGIGGDTHF DSDEPWTLGN ANHDGNDLFL VAVHELGHAL GLEHSNDPSA IMAPFYQYME THNFKLPQDD LQGIQKIYGP PAEPLEPTRP LPTLPVRRIH SPSEKHERH PRPPRPPLGD RPSTPGAKPN ICDGNFNTVA LFRGEMFVK DRWFWRLRNN RVQEGYPMQI EQFWKGLPAR IDAAYERADG RFVFFKGDKY WVFKEVTVEP GYPHSLGELG SCLPREGIDT ALRWEVVGKT YFFKGERYWR YSEERRATDP GYPKPITVWK GIPQAPQGAF ISKEGYITYF YKGRDYWKFD NQKLSVEPGY PRNLRDWMG CKQKEVERRK ERRLPQDDVD IMVTIDVPG SVNA
Species	Mus musculus (Mouse)
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.

ADDITIONAL INFORMATION

Related Product Information for Mmp24 recombinant protein	Metalloprotease that mediates cleavage of N-cadherin (CDH2) and acts as a regulator of neuro-immune interactions and neural stem cell quiescence. Involved in cell-cell interactions between nociceptive neurites and mast cells, possibly by mediating cleavage of CDH2, thereby acting as a mediator of peripheral thermal nociception and inflammatory hyperalgesia. Key regulator of neural stem cells quiescence by mediating cleavage of CDH2, affecting CDH2-mediated anchorage of neural stem cells to ependymocytes in the adult subependymal zone, leading to modulate their quiescence. May play a role in axonal growth. Able to activate progelatinase A. May also be a proteoglycanase involved in degradation of proteoglycans, such as dermatan sulfate and chondroitin sulfate proteoglycans. Cleaves partially fibronectin, but not collagen type I, nor laminin.
Product Categories/Family for Mmp24 recombinant protein	Cell Biology
References	"Lineage-specific biology revealed by a finished genome assembly of the mouse." Church D.M., Goodstadt L., Hillier L.W., Zody M.C., Goldstein S., She X., Bult C.J., Agarwala R., Cherry J.L., DiCuccio M., Hlavina W., Kapustin Y., Meric P., Maglott D., Birtle Z., Marques A.C., Graves T., Zhou S. Ponting C.P. PLoS Biol. 7:E1000112-E1000112(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115495469
NCBI GeneID	17391

NCBI Accession #	NP_034938.3
NCBI GenBank Nucleotide #	NM_010808.4
UniProt Accession #	Q9R0S2 ; Q9Z0J9 ; A2AUV7
Molecular Weight	66.4 kDa
NCBI Official Full Name	matrix metalloproteinase-24 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 24
NCBI Official Symbol	Mmp24
NCBI Official Synonym Symbols	MMP-21; MT5MMP; MTMMP5; MT5-MMP; AU040325
NCBI Protein Information	matrix metalloproteinase-24
UniProt Protein Name	Matrix metalloproteinase-24
UniProt Gene Name	Mmp24
UniProt Synonym Gene Names	Mmp21; Mt5mmp; MMP-24; MMP-21; MT-MMP 5; MTMMP5; MT5-MMP; MT5MMP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mmp24-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116968>