



Recombinant Mouse Mannan-binding lectin serine protease 2 (Masp2)

Product Code	CSB-EP856307MO
Relevance	Serum protease that plays an important role in the activation of the complement system via mannose-binding lectin. After activation by auto-catalytic cleavage it cleaves C2 and C4, leading to their activation and to the formation of C3 convertase
Abbreviation	Recombinant Mouse Masp2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q91WP0
Alias	MBL-associated serine protease 2 Mannose-binding protein-associated serine protease 2
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	SKWPEPVFGRLVSPGFPEKYADHQDRSWTLTAPPGYRLRLYFTHFDLELSYR CEYDFVKLSSGKTKVLATLCGQESTDTEQAPGNDTFYSLGPSLKVTFHSDYSNE KPFTGFEEAFYAAEDVDECRVSLGDSVPCDHYCHNYLGGYYCSCRAGYVLHQ NKHTCSALCSGQVFTGRSGYLSSPEYPQYPKLSSCTYSIRLEDGFSVILDFVE SFDVETHPEAQCPYDSLKIQTDKGEHGPFCGKTLPPRIETDSHKVTITFATDES GNHTGWKIHYTSTARPCPDPTAPPNGSISPVQAIYVLKDRFSVFCKTGFEELQ GSVPLKSFTAVCQKDGSWDRPMPECSIIDCGPPDDLPHNGHVDYITGPEVTTYK AVIQYSCEETFYTMSSNGKYVCEADGFWTSSKGEKLPPVCEPVCGLSTHTIGG RIVGGQPAKPGDFPWQVLLLGQTTAAAGALIHNDNWVLTAAHAVYEKRMAASS LNIRMGILKRLSPHYTQAWPEEIFIHEGYTHGAGFDNDIALIKLKNKVTINGSIMP VCLPRKEAASLMRTDFTGTVAGWGLTQKGLLARNLMFVDIPIADHQKCTAVYE KLYPGVRVSNMLCAGLETGGKDSCRGDSSGGALVFLDNETQRWVFGGIVSW GSINCGAADQYGVYTKVINIYIPWIENIISNF
Research Area	Cardiovascular
Source	E.coli
Target Names	Masp2
Protein Names	Recommended name: Mannan-binding lectin serine protease 2 EC= 3.4.21.104 Alternative name(s): MBL-associated serine protease 2 Mannose-binding protein-associated serine protease 2 Short name= MASP-2 Cleaved into the following 2 c
Expression Region	20-685aa



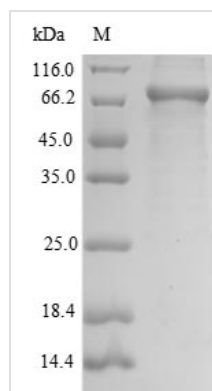
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Tag Info N-terminal 6xHis-tagged

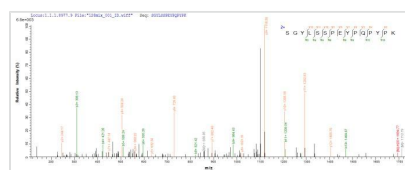
Mol. Weight 77.4kDa

Protein Length Full Length of Mature Protein

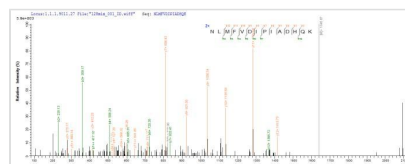
Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP856307MO could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Masp2.



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Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.