

Recombinant Mouse MASP2 Protein (20-685 aa), His-tagged

Cat. No. MASP2-2171M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse MASP2 Protein (20-685 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	E.coli
ProteinLength	20-685 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	77.4 kDa
AA Sequence	SKWPEPVFGRLVSPGFPEKYADHQDRSWTLTAPPGYRLRLYFTHFDLELSYRCEYD FVKLSSGTKVLATLCGQESTDTEQAPGNDTFYSLGPSLKVTFHSDYSNEKPFTGFEA FYAAEDVDECRVSLGDSVPCDHYCHNYLGGYYCSCRAGYVLHQNKHTCSALCSGQ VFTGRSGYLSSPEYPQYPYKLSSCTYSIRLEDGFSVILDFVESFDVETHPEAQCPYD SLKIQTDKGEHGPFCKGKTLPPRIETDSHKVTITFATDESGNHTGWKIHYTSTARPCPD PTAPPNGSISPVQAIYVLKDRFSVFCKTGFELLQGSVPLKSFTAVCQKDGSWDRPM PECSIIDCGPPDDL PNGHVDYITGPEVTTYKAVIQYSCEETFYTMSSNGKYVCEADG

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FWTSSKGEKLPPVCEPVCGLSTHTIGGRIVGGQPAKPGDFPWQVLLLGQTTAAAGA
 LIHDNWVLTAAHAVYEKRMAASSLNIRMGILKRLSPHYTQAWPEEIFIHEGYTHGAGF
 DNDIALIKLKNKVTINGSIMPVCLPRKEAASLMRTDFTGTVAGWGLTQKGLLARNLMF
 VDIPIADHQKCTAVYEKLYPGVRVSANMLCAGLETGGKDCRSGDSSGALVFLDNET
 QRWFVGGIVSWGSSINCGAADQYGVYTKVINIYIPWIENIISNF

Purity > 90% as determined by SDS-PAGE.

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

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [Masp2 mannan-binding lectin serine peptidase 2 \[Mus musculus \]](#)

Official Symbol [MASP2](#)

Synonyms MASP2; mannan-binding lectin serine peptidase 2; MAp19; MASP-2;

Gene ID [17175](#)

mRNA Refseq [NM_001003893](#)

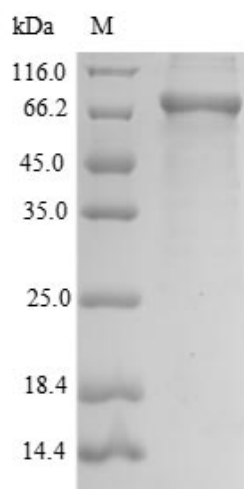
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Protein Refseq NP_001003893

UniProt ID Q91WP0



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

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