

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

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                                                                                                                                                                                    |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 20-685 aa                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | 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.                                                                                                                                                                               |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 77.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | SKWPEPVFGRLVSPGFPEKYADHQDRSWTLTAPPGYRLRLYFTHFDLELSYRCEYD<br>FVKLSSGTKVLATLCGQESTDTEQAPGNDFYSLGPSLKVTFHSDYSNEKPFTGFEA<br>FYAAEDVDECRVSLGDSVPCDHYCHNYLGGYYCSCRAGYVLHQNKHTCSALCSGQ<br>VFTGRSGYLSSPEYPQPYPKLSSCTYSIRLEDGFSVILDFVESFDVETHPEAQCPYD<br>SLKIQTDKGEHGPFCKGKTLPPRIETDSHKVTITFATDESGNHTGWKIHYTSTARPCPD<br>PTAPPNGSISPVQAIYVLKDRFSVFCKTGFEELLQGSVPLKSFTAVCQKDGSWDRPM<br>PECSIIDCGPPDDLPGNHVDYITGPEVTTYKAVIQYSCEETFYTMSSNGKYVCEADG |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

FWTSSKGEKLPPVCEPVCGLSTHTIGGRIVGGQPAKPGDFPWQVLLLGQTTAAAGA  
 LIHDNWVLTAHAVYEKRMAASSLNIRMGILKRLSPHYTQAWPEEIFIHEGYTHGAGF  
 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](#)

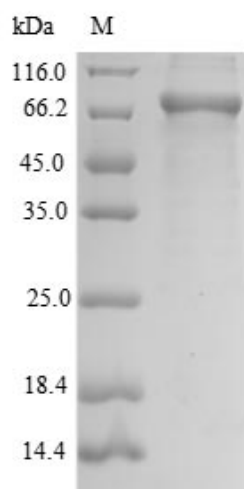
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Protein Refseq NP\_001003893

UniProt ID Q91WP0



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

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