

Active Recombinant Mouse Masp1 Protein, His-tagged

Cat. No. Masp1-11122M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse MASP3 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Ile 455 - Arg 733 (Accession # BAB69688.1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Ile 455
Species	Mouse
Source	HEK293
ProteinLength	455-733 aa
Description	MASP3 is a member of the MASP family. The MASP family proteins were first discovered as complexes with mannose-binding lectin (MBL) and therefore named MBL-associated serine proteases, but later, they were found to interact with ficolins, and later still, collectin-10 and collectin-11. As well as proteolytic enzymes (MASP-1, MASP-2, MASP-3), the group includes non-enzymatic factors (MAp19, MAp44). In this review, the association-specific factors of the lectin pathway with haematologic malignancies and related infections are discussed.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	The purity of Mouse MASP3 Protein, His Tag is more than 95% and the molecular weight of this protein is around 30-45 kDa verified by SEC-MALS.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Molecular Mass	The protein has a calculated MW of 32.6 kDa. The protein migrates as 40-45 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Masp1 MBL associated serine protease 1 [<i>Mus musculus</i> (house mouse)]
Official Symbol	MASP3
Synonyms	Masp1; MBL associated serine protease 1; CCP11; Crarf; Masp1/3; mannan-binding lectin serine protease 1; MASP-1; complement factor MASP-3; complement-activating component of Ra-reactive factor; mannan-binding lectin serine peptidase 1; mannose-binding lectin-associated serine protease 1; mannose-binding protein-associated serine protease; ra-reactive factor serine protease p100; raRF; serine protease 5; EC 3.4.21.-
Gene ID	17174

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mRNA Refseq	NM_008555
Protein Refseq	NP_032581
UniProt ID	P98064

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