Recombinant Mouse Masp1 Protein, Myc/DDK-tagged

Cat. No. Masp1-3966M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mannan-binding lectin serine peptidase 1 (Masp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Functions in the lectin pathway of complement, which performs a key role in innate immunity by recognizing pathogens through patterns of sugar moieties and neutralizing them. The lectin pathway is triggered upon binding of mannan-binding lectin (MBL) and ficolins to sugar moieties which leads to activation of the associated proteases MASP1 and MASP2. Functions as an endopeptidase and may activate MASP2 or C2 or directly activate C3 the key component of complement reaction. Isoform 2 may have an inhibitory effect on the activation of the lectin pathway of complement or may cleave IGFBP5. Also plays a role in development.
Molecular Mass	80.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Masp1 mannan-binding lectin serine peptidase 1 [Mus musculus (house mouse)]
Official Symbol	Masp1
Synonyms	MASP1; mannan-binding lectin serine peptidase 1; mannan-binding lectin serine protease 1; raRF; MASP-1; serine protease 5; complement factor MASP-3; ra-reactive factor serine protease p100; mannose-binding protein-associated serine protease; mannose-binding lectin-associated serine protease 1; complement-activating component of Ra-reactive factor; CCPII; Crarf; Masp1/3; AW048060
Gene ID	17174
mRNA Refseq	NM_008555
Protein Refseq	NP_032581
UniProt ID	P98064

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