

Recombinant Human MASP2 protein, GST-tagged

Cat. No. MASP2-45H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MASP2(1 a.a. - 686 a.a.) fused with GST tag at the C-terminus was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-686 a.a.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	102.1 kDa
AA Sequence	MRLLTLLGLLCGSVATPLGPKWPEPVFGRLASPGFPGGEYANDQERRWTLTAPPGY RLRLYFTHFDLELSHLCEYD FVKLSSGAKVLATLCGQESTDTERAPGKDTFYSLGSS LDITFRSDYSNEKPFTGFEAFYAAEDIDECQVAPGEAP TCDHHCHNHLGGFYCSCR AGYVLHRNKRTCSALCSGQVFTQRSGELSSPEYPRYPKLSSCTYSISLEEGFSVIL DFVESFDVETHPETLCPYDFLKIQTDRREEHGPFCGKTLPHRIETKSNTVTITFVTDES GDHTGWKIHYTSTAQPC PYPMAPPNGHVSPVQAKYILKDSFSIFCETGYELLQGH PLKSFTAVCQKDGSWDRPMPACSI VDCGPPDDLPSG RVEYITGPGVTTYKAVIQYS CEETFYTMKVNDGKYVCEADGFWTSSKGEKSLPVCEPVCGLSARTTGGRIYGGQK AKPGDFPWQVLILGGTTAAGALLYDNWVLTAAHAVYEQKHDA S ALDIRMGT LKRLS PHYTQAWSEAVFIHEGYTH DAGFDNDIALIKLNKVVINSNITPICLP RKEAESFMRT DDIGTASGWGLTQRGFLARNLMYVDIPIVDHQKCTA AYEKPPYPRGSVTANMLCAG LESGGKDSCRGDSSGALVFLDSETERWVFGGIVSWGSMNCGEAGQYGVYTKVINY

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
GENE INFORMATION	
Gene Name	MASP2 mannan-binding lectin serine peptidase 2 [Homo sapiens]
Official Symbol	MASP2
Synonyms	MASP2; mannan-binding lectin serine peptidase 2; mannan binding lectin serine peptidase 1 pseudogene 1 , mannan binding lectin serine protease 1 pseudogene 1 , mannan binding lectin serine protease 2 , MASP1P1; mannan-binding lectin serine protease 2; small MBL-associated protein; MBL-associated serine protease 2; MBL-associated plasma protein of 19 kD; mannan-binding lectin serine protease 1 pseudogene 1; mannose-binding protein-associated serine protease 2; mannan-binding lectin serine peptidase 1 pseudogene 1; sMAP; MAP19; MASP-2; MASP1P1;
Gene ID	10747
mRNA Refseq	NM_006610
Protein Refseq	NP_006601
MIM	605102

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UniProt ID	O00187
Chromosome Location	1p36.3-p36.2
Pathway	Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem;
Function	calcium ion binding; calcium-dependent protein binding; peptidase activity; protein binding; serine-type endopeptidase activity;

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