

Mannan-binding lectin serine protease 1 (MASP1) Recombinant Protein | MASP1 recombinant protein

Recombinant Human Mannan-binding lectin serine protease 1 (MASP1)

CATALOG # AAA18467	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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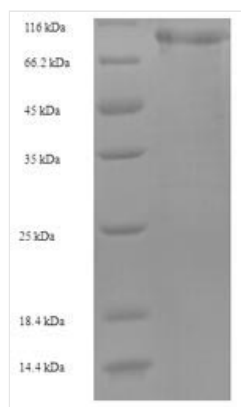
PRODUCT SYNONYMS

Mannan-binding lectin serine protease 1 (MASP1); Recombinant Human Mannan-binding lectin serine protease 1 (MASP1); MASP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	20-699aa; Full Length of Mature Protein
Sequence	HTVELNNMFG QIQSPGY PDS YPSDSEVTWN ITVPDGFRIK LYFMHFNLES SYLCEYDYVK VETEDQVLAT FCGRETTDTE QTPGQEVVLS PGSFMSITFR SDFSNEERFT GFDAHYMAVD VDECKEREDE ELSCDHYCHN YIGGYCSCR FGILHTDNR TCRVECDNL FTQRTGVITS PDFPNYPKS SECLYTIELE EGFMVNLQFE DIFDIEDHPE VPCPYDYIKI KVGPKVLGPF CGEKAPEPIS TQSHSVLILF HSDNSGENRG WRLSYRAAGN ECPELQPPVH GKIEPSQAKY FFKDQVLVSC DTGYKVLKDN VEMDTFQIEC LKDGTVSNKI PTCKIVDCRA PGELEHGLIT FSTRNNLTTY KSEIKYSCQE PYYKMLNNNT GIYTCSAQGV WMNKVLGRSL PTCLPVCGLP KFSRKLARI FNGRPAQKGT TPWIAMLSHL NGQPFCCGSL LGSSWIVTAA HCLHQSLDPE DPTLRDSDLL SPSTFKIILG KHWRLRSDEN EQHLGVKHTT LHPQYDPNTF ENDVALVELL ESPVLNAFVM PICLPEGPQQ EGAMVIVSGW GKQFLQRFPE TLMEIEPIV DHSTCQKAYA PLKKKVTRDM ICAGEKEGGK DACAGDSGGP MVTNLRERGQ WYLVGTVSWG DDCGKKDRYG VYSYIHHNKD WIQRTGVNRN
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MASP1 recombinant protein	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.
Product Categories/Family for MASP1 recombinant protein	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	73623026
NCBI GeneID	5648
NCBI Accession #	NP_001027019.1
NCBI GenBank Nucleotide #	NM_001031849.2
UniProt Accession #	P48740; O95570; Q68D21; Q8IUV8; Q96RS4; Q9UF09; A8K542; A8K6M1; B4E2L7
Molecular Weight	79 kDa
NCBI Official Full Name	mannan-binding lectin serine protease 1 isoform 3
NCBI Official Synonym Full Names	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor)
NCBI Official Symbol	MASP1
NCBI Official Synonym Symbols	3MC1; MAP1; MASP; RaRF; CRARF; MASP3; MAp44; PRSS5; CRARF1
NCBI Protein Information	mannan-binding lectin serine protease 1
UniProt Protein Name	Mannan-binding lectin serine protease 1
UniProt Gene Name	MASP1
UniProt Synonym Gene Names	CRARF; CRARF1; PRSS5; MASP-1; RaRF
UniProt Entry Name	MASP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.