

Product datasheet for TP526378

Masp1 (NM_008555) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mannan-binding lectin serine peptidase 1 (Masp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226378 representing NM_008555 Red =Cloning site Green =Tags(s)

MRFLSFWRLLLYHALCLALPEVSAHTVELNEMFGQIQSPGYDPSYPSDSEVTWNITVPEGFRIKLYFMHF
NLESSYLCEYDYVKVETEDQVLATFCGRETTDTEQTPGQEVVLSPGTFMSVTFRSDFSNEERFTGFDAHY
MAVDVDECKEREDEELSCDHYCHNYIGGYCSCRFGYLHTDNRTCRVECSGNLFTQRTGTITSPDYPNP
YPKSSECSYTIDLEEGFMVSLQFEDIFDIEDHPEVPCPYDIKIKAGSKVWGPFCGEKSPEPISTQTHSV
QILFRSDNSGENRGWRLSYRAAGNECPKLQPPVYGKIEPSQAVYSFKDQVLVSCDTGYKVLKDNEVMDTF
QIECLKDGAWSNKIPTCKIVDCGAPAGLKHGLVTFSTRNLTYYKSEIRYSCQQPYKMLHNTTGVYTC
AHGTWTNEVLKRSPLTCLPVCVGPKFSRKQISRIFNGRPAQKGTMPWIAMLSHLNGQPFCGGSLLGSNW
LTAACHLHQSLDPEEPTLHSSYLLSPSDFKIIMGKHWRRRSDEDEQHLHVKRTTLHPLYNPSTFENDLGL
VELSESPRLNDFVMPVCLPEQPSTEGTMVIVSWGKQFLQRFPENLMEIEIPIVNSDTCQEAYTPLKKKV
TKDMICAGEKEGGKDACAGDSGGPMVTKDAERDQWYLVGVVSWGEDCGKKDRYGVYSIYPNKDWIQRIT
GVRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	80.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_032581
Locus ID:	17174
UniProt ID:	P98064
RefSeq Size:	2752
Cytogenetics:	16 B1
RefSeq ORF:	2112
Synonyms:	AW048060; CCP1I; Crarf; Masp1/3
Summary:	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. [UniProtKB/Swiss-Prot Function]