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32-7563: Recombinant Human Mannan-Binding Lectin Serine Protease 1/MASP1 (C-6His)(Discontinued)

Gene : MASP1
Gene ID : 5648
Uniprot ID : P48740

Description

Source: Human Cells.
MW :80.68kD.
Recombinant Human Mannan-Binding Lectin Serine Protease 1 is produced by our Mammalian expression system and the target gene encoding His20-Arg728 is expressed with a 6His tag at the C-terminus. Mannan-Binding Lectin Serine Protease 1 (MASP-1) belongs to the peptidase S1 family. MASP1 contains two CUB domains, one EGF-like domain, one peptidase S1 domain and two Sushi (CCP/SCR) domains. MASP1 is primarily expressed in liver. MASP1 involved in the lectin pathway of the complement, performs a key role in innate immunity by recognizing pathogens through patterns of sugar moieties and neutralizing them. MASP1 is synthesized as a zymogen and activated when it complexes with the pathogen recognition molecules of lectin pathway, the mannose-binding lectin and the ficolins. MASP1 is not directly involved in complement activation but may act as an amplifier of complement activation by cleaving complement C2 or by activating another complement serine protease, MASP2. MASP1 is also able to cleave fibrinogen and factor XIII and may may be involved in coagulation. MASP1 is inhibited by SERPING1 and A2M.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris,200mM NaCl,10%Glycerol,pH8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : HTVELNNMFGQIQSPGYPDSYPSDSEVTWNITVPDGFRIKLYFMHFNLESSYLCEYDYVKVETEDQVLATFCGR
ETTDTEQTPGQEVVLSPGSFMSITFRSDFSNEERFTGFDAHYMAVDVDECKEREDEELSCDHYCHNYIGGYYC
SCRFGYILHTDNRTCRVECSDNLFTQRTGVITSPDFPNPYPKSSECLYTIELEEGFMVNLQFEDIFDIEDHPEVPC
PYDYIKIKVGPKVLGPFCGEKAPEPISTQSHSVLILFHSDNSGENRGWRLSYRAAGNECPELQPPVHGKIEPSQA
KYFFKDQVLVSCDTGYKVLKDNVEMDTFQIECLKDGTWSNKIPTCKIVDCRAPGELEHGLITFSTRNNLTTYKSE
IKYSCQEPYYKMLNNNTGIYTCSAQGVWMNKVLGRSLPTCLPECGQPSRSLPSLVKRIIGGRNAEPGLFPWQALI
VVEDTSRVPNDKWFGSGALLSASWILTAAHVLRSQRRDTTVIPVSKEHVTVYLGLHDVRDKSGAVNSSAARVV
LHPDFNIQNYNHDIALVQLQEPVPLGPHVMPVCLPRLEPEGPAPHMLGLVAGWGISNPNVTVDEIISSGTRTLSD
VLQYVKLPVVPHAECKTSYESRSGNYSVTENMFCAGYYEGGKDTCLGDSGGAFVIFDDLSQRWVVQGLVSWG
GPEECGSKQVYGVYTKVSNYVDWVWEQMGLPQSVVEPQVERVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.