

Product Data Sheet

Recombinant Human MASP1 Protein

Catalog #	Source	Reactivity	Applications
CRP1943	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human MASP1 Protein is produced by our Mammalian expression system and the target gene encoding His20-Arg728 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 200mM NaCl, 10% Glycerol, pH8.0.		
Gene Symbol	MASP1		
Alternative Names	CRARF; CRARF1; PRSS5; Mannan-binding lectin serine protease 1; Complement factor MASP-3; Complement-activating component of Ra-reactive factor; Mannose-binding lectin-associated serine protease 1; MASP-1; Mannose-binding protein-associated serine protease		
Entrez Gene	5648 (Human)		
SwissProt	P48740-2 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	HTVELNNMFG QIQSPGY PDS YPSDSEVTWN ITVPDGFRIK LYFMHFNLES SYLCEYDYVK VETEDQVLAT FCGRETTDTE QTPGQEVVLS PGSFMSITFR SDFSNEERFT GFDAHYMAVD VDECKEREDE ELSCDHYCHN YIGGYCSCR FGYILHTDNR TCRVECDNL FTQRTGVITS PDFPNPYPKS SECLYTIELE EGFMVNLQFE DIFDIEDHPE VPCPYDYIKI KVGPKVLGPF CGEKAPEPIS TQSHSVLILF HSDNSGENRG WRLSYRAAGN ECPQLQPPVH GKIEPSQAKY FFKDQVLVSC DTGYKVLKDN VEMDTFQIEC LKDGTSNKI PTCKIVDCRA PGELEHGLIT FSTRNNLTYY KSEIKYSCQE PYYKMLNNNT GIYTCSAQGV WMNKVLGRSL PTCLPECGQP SRLPSLVKR IIGGRNAEPG LFPWQALIVV EDTSRVPNDK WFGSGALLSA SWILTAHVIL		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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RSQRRDTTVI PVSKEHVTYV LGLHDVRDKS GAVNSSAARV VLHPDFNIQN YNHDIALVQL
QEPVPLGPHV MPVCLPRLEP EGPAPHMLGL VAGWGISNPN VTVDEIISG TRTLSDELQY
VKLPVVPFAE CKTSYESRSG NYSVTENMFC AGYYEGGKDT CLGDSGGAFV IFDDLSQRWV
VQGLVSWGGP EECGSKQVYG VYTKVSNYVD WVWEQMGLPQ SVVEPQVERV DHHHHHHH

Quality Control

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

Directions for Use

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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