Active Recombinant Human MASP1 protein, His-tagged

Cat. No. MASP1-138H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MASP1(Ile450-Val721) fused with an N-terminal signal peptide and a C-terminal 10-His tag was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	Ile450-Val721
Predicted N Terminal	Ile450
Form	Supplied as a 0.2 μm filtered solution in Tris, NaCl and CaCl2.
Bio-activity	>20,000 pmol/min/g
Molecular Mass	Predicted Molecular Mass: 31 kDa;SDS-PAGE: 43 kDa, reducing conditions.
Endotoxin	<1.0 EU per 1 μg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.6 months from date of receipt, -20 to -70 centigrade as supplied.3 months, -20 to -70 centigrade under sterile conditions after opening.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	MASP1 mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor) [Homo sapiens]
Official Symbol	MASP1
Synonyms	3MC1; MAP1; MASP; RaRF; CRARF; MASP3; MAp44; PRSS5; CRARF1; Ra-reactive factor serine protease p100; complement factor MASP-3; complement-activating component of Ra-reactive factor; mannose-binding lectin-associated serine protease 1; mannose-binding protein-associated serine protease
Gene ID	5648
mRNA Refseq	NM_001031849
Protein Refseq	NP_001027019
MIM	600521
UniProt ID	P48740
Chromosome Location	3q27-q28
Pathway	Binding and Uptake of Ligands by Scavenger Receptors, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	calcium ion binding; calcium-dependent protein binding; peptidase activity

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA