

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 CaCl ₂ .
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

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Function

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

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