

# Recombinant Human MASP1

Catalog No: #GP10580



Package Size: #GP10580-1 100ug

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## Description

Product Name	Recombinant Human MASP1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 449-699 amino acids of human MASP1
Target Name	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor)
Other Names	3MC1; MAP1; MASP; RaRF; CRARF; MASP3; MAp44; PRSS5; CRARF1
Accession No.	Swissprot:P48740Gene Accession:BC106945
Uniprot	P48740
GeneID	5648;
Storage	-20~-80°C, pH 7.6 PBS

## Background

This gene encodes a serine protease that functions as a component of the lectin pathway of complement activation. The complement pathway plays an essential role in the innate and adaptive immune response. The encoded protein is synthesized as a zymogen and is activated when it complexes with the pathogen recognition molecules of lectin pathway, the mannose-binding lectin and the ficolins. This protein is not directly involved in complement activation but may play a role as an amplifier of complement activation by cleaving complement C2 or by activating another complement serine protease, MASP-2. The encoded protein is also able to cleave fibrinogen and factor XIII and may be involved in coagulation. A splice variant of this gene which lacks the serine protease domain functions as an inhibitor of the complement pathway. Alternate splicing results in multiple transcript variants.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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