

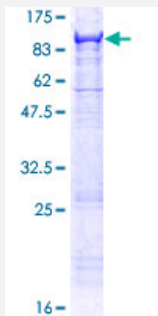
Full-Length

MASP2 (Human) Recombinant Protein (P01)

Catalog # H00010747-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MASP2 full-length ORF (NP_006601.2, 1 a.a. - 686 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRLLTLLGLLCGSVATPLGPKWPEPVFGRLASPGFPGEYANDQERRWLTAPPGYRLRLYFTHF
DLELSHLCEYDFVKLSSGAKVLATLCGQESTDTERAPGKDTFYSLGSSLDITFRSDYSNEKPFTG
FEAFYAAEDIDECQVAPGEAPTCDDHCHNHLGGFYCSCRAGYVLRNKRKTCALCSGQVFTQRS
GELSSPEYPRPYPKLSSCTYSISLEEGFSVILDFVESFDVETHPETLCPYDFLKIQTDRREEHGPFCG
KTLPHRIETKSNTVTITFVTDESGDHTGWKIHSTAQPCPYMAPPNHGVSPVQAKYILKDSFSIF
CETGYELLQGHPLKSFATVACQKDGSDWRPMPACSVDCGPPDDLPSGRVEYITGPGVTTYKAVI
QYSCEETFYTMKVNDGKYVCEADGFWTSSKGEKSLPVCEPVCGLSARTTGGRIYGGQKAKPGD
FPWQVLILGGTTAAGALLYDNWVLTAAHAVYEQKHDAALDIRMGTLRKLSPHYTQAWSEAVFIHE
GYTHDAGFDNDIALIKLNNKVVINSNITPICLPRKEAESFMRTDDIGTASGWGLTQRGFLARNLMYV
DIPVDHQKCTAAAYEKPPYPRGSVTANMLCAGLES GGKDCRGDSSGGALVFLDSETERWVFVGGI
VSWGSMNCGEAGQYGVYTKVINYPWIENISDF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

102.1

Interspecies Antigen Sequence

Mouse (81); Rat (80)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MASP2

Entrez GeneID	10747
GeneBank Accession#	NM_006610.2
Protein Accession#	NP_006601.2
Gene Name	MASP2
Gene Alias	MAP19, MASP-2, sMAP
Gene Description	mannan-binding lectin serine peptidase 2
Omim ID	605102
Gene Ontology	Hyperlink
Gene Summary	The Ra-reactive factor (RARF) is a complement-dependent bactericidal factor that binds to the R a and R2 polysaccharides expressed by certain enterobacteria. Alternate splicing of this gene results in two transcript variants encoding two RARF components that are involved in the mannan-binding lectin pathway of complement activation. The longer isoform is cleaved into two chains which form a heterodimer linked by a disulfide bond. The encoded proteins are members of the trypsin family of peptidases. [provided by RefSeq]

Other Designations

MBL-associated plasma protein of 19 kD|MBL-associated serine protease 2|OTTHUMP00000002174|OTTHUMP000000002175|mannan-binding lectin serine protease 2|small MBL-associated protein

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Atherosclerosis](#)
- [Bacteremia](#)
- [Bacterial Infections](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Colorectal Neoplasms](#)
- [Community-Acquired Infections](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Cytomegalovirus Infections](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Pneumococcal Infections](#)
- [Pneumonia](#)
- [Postoperative Complications](#)
- [Rheumatic Fever](#)
- [Rheumatic Heart Disease](#)
- [Severe Acute Respiratory Syndrome](#)
- [Stroke](#)
- [Systemic Inflammatory Response Syndrome](#)