

Recombinant Human MASP2 protein, His-tagged

Cat. No. MASP2-46H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MASP2 fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The Ra-reactive factor (RARF) is a complement-dependent bactericidal factor that binds to the Ra 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.
Form	Lyophilized from PBS, pH 7.4, 5% trehalose, 0.01% sarcosyl
Molecular Mass	15.8 kDa
Purity	Greater than 95%
Storage	Store at +4 centigrade for up to 1 month, or aliquot and store at -80 centigrade for up to 12 months. Avoid repeat freeze-thaw cycles.

GENE INFORMATION

Gene Name	MASP2 mannan-binding lectin serine peptidase 2 [Homo sapiens]
-----------	---

 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

Official Symbol	MASP2
Synonyms	MASP2; mannan-binding lectin serine peptidase 2; mannan binding lectin serine peptidase 1 pseudogene 1 , mannan binding lectin serine protease 1 pseudogene 1 , mannan binding lectin serine protease 2 , MASP1P1; mannan-binding lectin serine protease 2; small MBL-associated protein; MBL-associated serine protease 2; MBL-associated plasma protein of 19 kD; mannan-binding lectin serine protease 1 pseudogene 1; mannose-binding protein-associated serine protease 2; mannan-binding lectin serine peptidase 1 pseudogene 1; sMAP; MAP19; MASP-2; MASP1P1;
Gene ID	10747
mRNA Refseq	NM_006610
Protein Refseq	NP_006601
MIM	605102
UniProt ID	O00187
Chromosome Location	1p36.3-p36.2
Pathway	Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem;
Function	calcium ion binding; calcium-dependent protein binding; peptidase activity; protein

 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

binding; serine-type endopeptidase 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