



Recombinant Mouse Mannan-binding lectin serine protease 1 (Masp1)

Product Code	CSB-EP013508MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P98064
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	HTVELN EMFGQIQSPG YPDSYPSDSE VTWNITVPEG FRIKLYFMHF NLESSYLCEY DYVKVETEDQ VLATFCGRET TDTEQTPGQE VVLSPTGTFMS VTFRSDFSNE ERFTGFDAHY MAVDVDECKE REDEELSCDH YCHNYIGGGY CSCRFGYILH TDNRTCRCVEC SGNLFTQRTG TITSPDYPNP YPKSSECSYT IDLEEGFMVS LQFEDIFDIE DHPEVPCPYD YIKIKAGSKV WGPFCGEKSP EPISTQTHSV QILFRSDNSG ENRGWRLSYR AAGNECPKLQ PPVYGKIEPS QAVYSFKDQV LVSCDTGYKV LKDNEVMDTF QIECLKDGAW SNKIPTCKIV DCGAPAGLKH GLVTFSTRNN LTTYKSEIRY SCQQPYKML HNTTGVTCS AHGTWTNEVL KRSLPTCLPV CGVPKFSRKQ ISRIFNGRPA QKGTMPWIAM LSHLNGQPFC GGSLLGSNWV LTAACHLHQS LDPEEPTLHS SYLLSPSDFK IIMGKHWRRR SDEDEQHLHV KRTTLHPLYN PSTFENDLGL VELSESPRLN DFVMPVCLPE QPSTEGTMVI VSGWGKQFLQ RFPENLMEIE IPIVNSDTCQ EAYTPLKKKV TKDMICAGEK EGGKDACAGD SGGPMVTKDA ERDQWYLVGV VSWGEDCGKK DRYGVYSIY PNKDWIQRIT GVRN
Source	E.coli
Target Names	Masp1
Protein Names	Recommended name: Mannan-binding lectin serine protease 1 EC= 3.4.21.- Alternative name(s): Complement factor MASP-3 Complement-activating component of Ra-reactive factor Mannose-binding lectin-associated serine protease 1 Short
Expression Region	25-704
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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 multiple transcript variants encoding two RARF components that are involved in the mannan- binding lectin (MBL) pathway of complement activation. Two of the isoforms are cleaved into two chains which form a heterodimer linked by a disulfide bond.



The encoded proteins are members of the trypsin family of peptidases.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.