



Recombinant Human Mannan-binding lectin serine protease 2 (MASP2)

Product Code	CSB-YP013510HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O00187
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	TPLGP KWPEPVFGRL ASPGFPGEYA NDQERRWTLT APPGYRLRLY FTHFDLELSH LCEYDFVKLS SGAKVLATLC GQESTDTERA PGKDTFYSLG SSLDITFRSD YSNEKPFTGF EAFYAAEDID ECQVAPGEAP TCDHHCHNHL GGFYCSCRAG YVLRNKRRC SALCSGQVFT QRSGELSSPE YPRPYPKLSS CTYSISLEEG FSVILDFVES FDVETHPETL CPYDFLKIQT DREEHGPFCC KTLPHRIETK SNTVTITFVT DESGDHTGWK IHYTSTAQPC PYPMAPPNGH VSPVQAKYIL KDSFSIFCET GYELLQGHLP LKSFTAVCQK DGSWDRPMPA CSIVDCGPPD DLPSGRVEYI TGPVTTYKA VIQYSCEETF YTMKVNDGKY VCEADGFWTS SKGEKSLPVC EPVCGLSART TGGRIYGGQK AKPGDFPWQV LILGGTTAAG ALLYDNWVLT AAHAVYEQKH DASALDIRMG TLKRLSPHYT QAWSEAVFIH EGYTHDAGFD NDIALIKLNN KVVINSNITP ICLPRKEAES FMRTDDIGTA SGWGLTQRGF LARNLMYVDI PIVDHQKCTA AYEKPPYPRG SVTANMLCAG LESGGKDCR GDSGGALVFL DSETERWFGV GIVSWGSMNC GEAGQYGVYT KVINYIPWIE NIISDF
Source	Yeast
Target Names	MASP2
Protein Names	Recommended name: Mannan-binding lectin serine protease 2 EC= 3.4.21.104 Alternative name(s): MBL-associated serine protease 2 Mannose-binding protein-associated serine protease 2 Short name= MASP-2 Cleaved into the following 2 c
Expression Region	16-686
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 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.

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.