



Recombinant Human Complement Factor MASP3 Protein-6His-ABP tag

Cat. No.: CTP-242

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview This product is a 31 kDa recombinant human Complement Factor MASP3 protein Antigen with a N-terminal His6-ABP tag expressed in the E. coli. It is available for Antibody Competition.

SPECIFICATIONS

Expressed Host	E. Coli
Molecule Mass	31 kDa
Purity	>80% by SDS-PAGE and Coomassie Blue staining
Specie Reactivity	Human
Target	MASP3
Type	Recombinant Protein Antigen
Formulation	PBS and 1M Urea, pH 7.4
Sequence	PCPYDYIKIKVGPKVLGPFCGEKAPEPISTQSHSVLILFHSDNSGENRGWRLSYRA AGNECPQLQPPVHGKIEPSQAKYFFKDQVLVSCDTGYKVLKDNVEMDTFQIECLK DGTWSNKIPT
Applications	AC
Product Form	Liquid
Storage	Store at -20/-80°C. Aliquot to avoid repeated freezing and thawing.

PROTEIN INFORMATION

Introduction Mannan-binding lectin serine protease 1 functions in the lectin pathway of complement, which performs a key role in innate immunity by recognizing pathogens through patterns of sugar moieties and neutralizing them. The lectin pathway is triggered upon binding of mannan-binding lectin (MBL) and ficolins to sugar moieties which leads to activation of the

associated proteases MASP1 and MASP2. Functions as an endopeptidase and may activate MASP2 or C2 or directly activate C3 the key component of complement reaction. Isoform 2 may have an inhibitory effect on the activation of the lectin pathway of complement or may cleave IGFBP5. Also plays a role in development.

Alternative Names

Mannan Binding Lectin Serine Peptidase 1; Complement-Activating Component Of Ra-Reactive Factor; Mannose-Binding Lectin-Associated Serine Protease 1; Mannose-Binding Protein-Associated Serine Protease; C4/C2 Activating Component Of Ra-Reactive Factor; Mannan-Binding Lectin Serine Protease 1; Ra-Reactive Factor Serine Protease P100; Mannan-Binding Lectin Serine Peptidase 1 (C4/C2 Activating Component Of Ra-Reactive Factor); Complement Factor MASP-3; Serine Protease 5; CRARF1; CRARF; PRSS5; RaRF;MASP-1; MASP3; MAp44; MAP1; MASP

Gene ID

[5648](#)

UniProt ID

[P48740](#)