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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
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Recombinant Human MASP1 Protein (His Tag)

Catalog No. PKSH032735

Description

Synonyms	Mannan-Binding Lectin Serine Protease 1; Complement Factor MASP-3;Mannose-Binding Lectin-Associated Serine Protease 1; MASP-1; RaRF; Serine Protease 5; MASP1; CRARF; CRARF1; PRSS5
Species	Human
Expression_host	Human Cells
Sequence	His20-Arg728
Accession	P48740
Mol_Mass	80.7 kDa
AP_Mol_Mass	120 kDa
Tag	C-6His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs.Upon receipt, store it immediately at<-20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris,200mM NaCl,10Glycerol,pH8.0.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Mannan-Binding Lectin Serine Protease 1 (MASP-1) belongs to the peptidase S1 family. MASP1 contains two CUB domains, one EGF-like domain, one peptidase S1 domain and two Sushi (CCP/SCR) domains. MASP1 is primarily expressed in liver. MASP1 involved in the lectin pathway of the complement, performs a key role in innate immunity by recognizing pathogens through patterns of sugar moieties and neutralizing them. MASP1 is synthesized as a zymogen and activated when it complexes with the pathogen recognition molecules of lectin pathway, the mannose-binding lectin and the ficolins. MASP1 is not directly involved in complement activation but may act as an amplifier of complement activation by cleaving complement C2 or by activating another complement serine protease, MASP2. MASP1 is also able to cleave fibrinogen and factor XIII and may may be involved in coagulation. MASP1 is inhibited by SERPING1 and A2M.

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