

# Human MASP3 Protein

Cat. No. MSP-HM103

Description	
Source	Recombinant Human MASP3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains His20-Arg728.
Accession	P48740-2
Molecular Weight	The protein has a predicted MW of 80.73 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

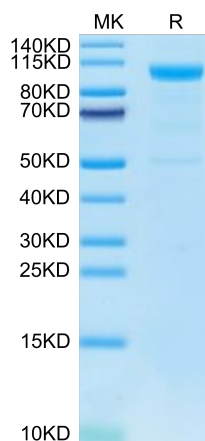
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Background**

Mannose-binding lectin-associated serine protease-1 (also named MASP3), a multifunctional serine protease, plays an important role in innate immunity which is capable of activating the lectin pathway of the complement system and also triggering coagulation cascade system.

## Assay Data

### Bis-Tris PAGE



Human MASP3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.