

# Recombinant Human MASP2 Protein

Catalog No.: RP03101LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	10747	O00187

### Tags

C-His

### Synonyms

MAP19; MASP-2; MASP1P1; sMap

## Product Information

Source	Purification
<i>E. coli</i>	> 95% as determined by Tris-Bis PAGE

Calculated MW	Observed MW
46.9 kDa	18, 25-30 kDa

### Endotoxin

< 1.0 EU/μg of the protein by LAL method.

### Formulation

Supplied as a 0.22 μm filtered solution in 20mM Tris, 200mM NaCl (pH 9.0). Contact us for customized product form or formulation.

### Reconstitution

## Background

The pathogenesis of severe acute respiratory disease syndrome (SARS) is not fully understood. One case-control study has reported an association between susceptibility to SARS and mannan-binding lectin (MBL) in China. As the downstream protein of MBL, variants of the MBL-associated serine protease-2 (MASP2) gene may be associated with SARS coronavirus (SARS-CoV) infection in the same population.

## Basic Information

### Description

Recombinant Human MASP2 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Gly288-Phe686) of Human MASP2 (Accession # NP\_006601.2) fused with His tag at the C-Terminus.

### Bio-Activity

1. Immobilized Human MASP2, His Tag at 0.2 μg/ml (100 μl/Well). Dose response curve for Anti-MASP2 Antibody, hFc Tag with the EC<sub>50</sub> of 3.0 ng/ml determined by ELISA (QC Test). 2. Anti-MASP2 Antibody captured on CM5 Chip via Protein A can bind Human MASP2, His Tag with an affinity constant of 3.08 nM as determined in SPR assay (Biacore T200).

### Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

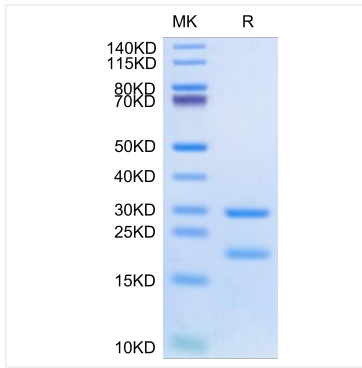
## Contact

☎ | 400-999-6126

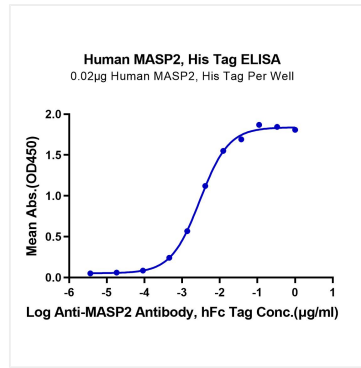
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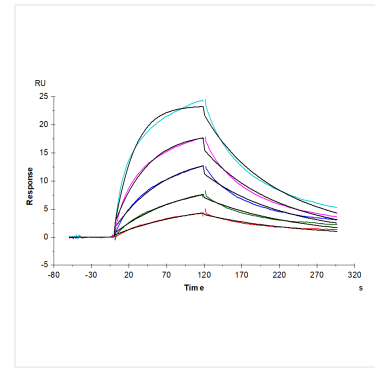
## Validation Data



Recombinant Human MASP2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 18 kDa & 25-30 kDa.



Immobilized Human MASP2, His Tag at 0.2  $\mu$ g/ml (100  $\mu$ l/Well). Dose response curve for Anti-MASP2 Antibody, hFc Tag with the EC<sub>50</sub> of 3.0 ng/ml determined by ELISA (QC Test).



Anti-MASP2 Antibody captured on CM5 Chip via Protein A can bind Human MASP2, His Tag with an affinity constant of 3.08 nM as determined in SPR assay (Biacore T200).