

# 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

## 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 with His tag at the C-Terminus.

### Bio-Activity

1. 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 3.0ng/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).

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -70°C. This product is stable at  $\leq$  -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.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Product Information

### Source

*E. coli*  
 ≥ 95 % as determined by Tris-Bis PAGE.

### Calculated MW

46.9 kDa

### Observed MW

18, 25-30 kDa

### Endotoxin

< 1 EU/ $\mu$ g of the protein by LAL method.

### Formulation

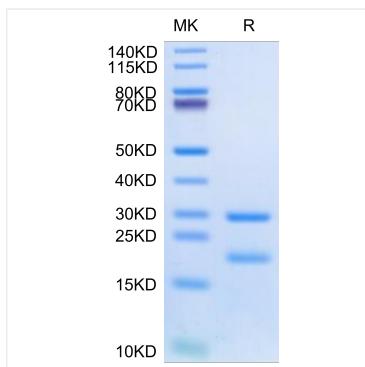
Supplied as a 0.22  $\mu$ m filtered solution in 20mM Tris, 200mM NaCl (pH 9.0). Contact us for customized product form or formulation.

### Reconstitution

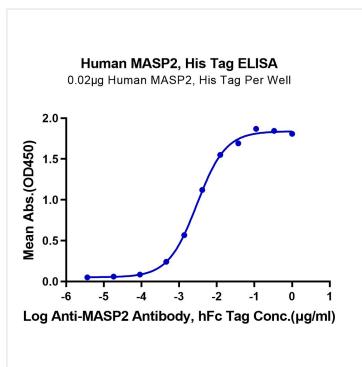
## Contact

	400-999-6126
	<a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a>
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

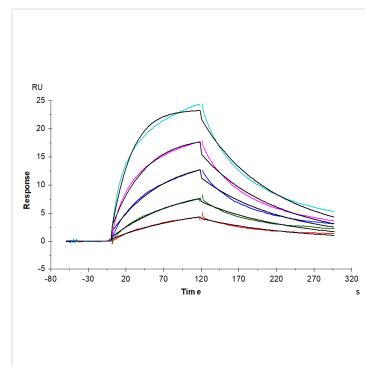
## Validation Data



Recombinant Human MASP2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human MASP2, His Tag at 0.2μg/ml (100μl/Well). Dose response curve for Anti-MASP2 Antibody, hFc Tag with the EC<sub>50</sub> of 3.0ng/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).