

PRODUCT INFORMATION

Target MASP2

Synonyms MAP19; MASP-2; MASP1P1; sMAP

Recombinant human MASP2 protein with N-Description

terminal Human Fc tag

Delivery In Stock **Uniprot ID** 000187 **Expression Host HEK293**

Tag N-Human Fc Tag

Molecular

Purity

Background

hFc(Glu99-Ala330) MASP2 (Gln298-Ser684) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 68.4 kDa after removal of the signal peptide.

The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a member of the peptidase S1

family of serine proteases. The encoded preproprotein is proteolytically processed to generate A and B chains that heterodimerize to form the mature protease. This protease cleaves complement components C2 and C4 in order to generate C3 convertase in the lectin pathway of the complement system. The encoded protease also plays a role in the coagulation cascade

through cleavage of prothrombin to form thrombin. Myocardial infarction and acute stroke patients exhibit reduced serum concentrations of the encoded protein. Alternative splicing results in multiple transcript variants, at least one of

which encodes an isoform that is proteolytically

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processed.

Usage Research use only

Conjugate Unconjugated





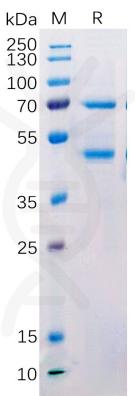
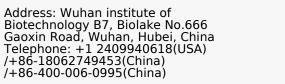


Figure 1. Human MASP2 Protein, hFc Tag on SDS-PAGE under reducing condition.



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