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Datasheet for ABIN7092694

MASP2 Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	MASP2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MASP2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human MASP2 protein with N-terminal Human Fc tag
Specificity:	HFc (Glu99-Ala330) MASP2 (Gln298-Ser684)
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 90 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	MASP2
Alternative Name:	MASP2 (MASP2 Products)
Background:	Synonymes: MAP19, MASP-2, MASP1P1, sMAP Description: 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

Target Details

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 processed.

Molecular Weight: predicted molecular mass of 68.4 kDa after removal of the signal peptide.

Gene ID: 10747

UniProt: [O00187](#)

Pathways: [Complement System](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: 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).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months