

For Research Use Only

Recombinant Mouse MASP1 protein (rFc Tag)



Catalog Number: Eg4420

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse MASP1 protein Arg300-Lys445 (Accession# P98064-1) with a rabbit IgG Fc tag at the C-terminus

GeneID:

17174

Accession:

P98064-1

Predicted Molecular Mass:

42.2 kDa

SDS-PAGE:

45-50 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

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

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

MASP1, or MBL associated serine protease 1, encodes a serine protease that functions as a component of the lectin pathway of complement activation, which is essential for innate and adaptive immune responses. The lectin pathway becomes activated through MASP-1 autoactivation, and the activated MASP-1 is essential for the activation of MASP-2 and probably MASP-3 (PMID: 27535802). MASP-1 and thrombin effects are synergistic on clot formation (PMID: 26645987).

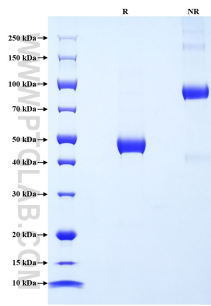
References

1. Dobó J. et al. (2016). Sci Rep. 6:31877.
2. Jenny L. et al. (2015). PLoS One. 10(12):e0144633.

Synonyms

Complement factor MASP-3, Complement-activating component of Ra-reactive factor, Crarf, EC:3.4.21.-, Mannan-binding lectin serine protease 1

Selected Validation Data



Purity of Recombinant Human MASP1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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