

For Research Use Only

Recombinant Mouse SEMA4A protein (rFc Tag)



Catalog Number: Eg2680

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse SEMA4A protein Thr33-His682 (Accession# Q62178) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
20351

Accession:
Q62178

Predicted Molecular Mass:
97.7 kDa

SDS-PAGE:
80-110 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

Sema4A, the membrane-bound class 4 semaphorin, belongs to semaphorins superfamily. Sema4A functions as potent axonal repellants in the nervous system, and is involved in vascular development. Two species of Sema4A with molecular weights of about 150 and 120 kDa were observed. The antibody recognizes the Sema4A protein, which is of appropriate molecular size (~120 kDa) for the glycosylated protein.

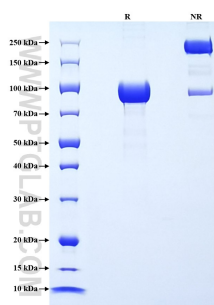
References

1. Leitner DF. et al. (2015). Int J Parasitol. 45(12):797-808.
2. Toyofuku T. et al. (2007). EMBO J. 7;26(5):1373-84.
3. Leitner DF. et al. (2015). ASN Neuro. 29;7(3):1759091415587502.

Synonyms

Sema B, Sema4a, Semab, Semaphorin-4A, Semaphorin-B

Selected Validation Data



Purity of Recombinant Human SEMA4A 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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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