

For Research Use Only

Recombinant Mouse SEMA4G protein (rFc Tag)



Catalog Number: Eg2777

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 SEMA4G protein Val18-Met673 (Accession# Q9WUH7) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

26456

Accession:

Q9WUH7

Predicted Molecular Mass:

98.8 kDa

SDS-PAGE:

110-130 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

Semaphorins constitute a large and growing gene family, several members of which are axon guidance molecules. SEMA4G, a novel class IV member of the semaphorin gene family, located on mouse chromosome 19. SEMA4G is expressed early in development in the brain, spinal cord, and several sensory organs as well as specific populations of projection neurons, compatible with the well-established function of semaphorins as axon guidance molecules.

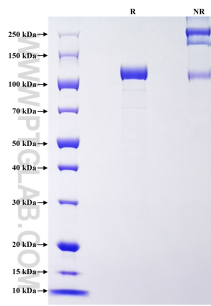
References

1. Li, H et al. Mechanisms of development vol. 87,1-2 (1999): 169-73.
2. Jiang, Dongjun et al. Neoplasia vol. 71,1 (2024): 1-12.
3. Nojima, Satoshi. Pathology international vol. 72,10 (2022): 471-487.

Synonyms

Semaphorin-4G

Selected Validation Data



Purity of Recombinant Mouse SEMA4G 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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