

For Research Use Only

Recombinant Human SEMA3C protein (rFc Tag)



Catalog Number: Eg4979

Basic Information	Species: Human	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 Human SEMA3C protein Gly21-Ser738 (Accession# Q99985) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
10512

Accession:
Q99985

Predicted Molecular Mass:
107.4 kDa

SDS-PAGE:
52-56 kDa and 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

SEMA3C (Semaphorin 3C) is associated with tumor progression and poor prognosis across multiple tumor types, including pancreatic, gastric, prostate, and breast cancer, as well as glioma. It is worth noting that full-length SEMA3C has also been reported as a tumor suppressor factor by suppressing tumor lymphangiogenesis and metastasis.

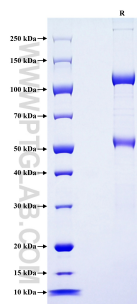
References

1. Hao, Jing et al. Nature communications vol. 14,1 2262. 20 Apr. 2023.
2. Xiao, Siyu et al. Oncogene vol. 44,39 (2025): 3679-3693.
3. Liu, Ruoyan et al. Frontiers in oncology vol. 9 1035. 9 Oct. 2019.

Synonyms

Sema E, SEMAE, Semaphorin 3C, Semaphorin E, Semaphorin-3C

Selected Validation Data



Purity of Recombinant Human SEMA3C was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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