

Recombinant Human SEMA4B Protein

Catalog No.: RP03570

Sequence Information

Species
Human

Gene ID
10509

Swiss Prot
Q9NPR2

Tags
C-His

Synonyms

SEMA4B, KIAA1745, SEMAC, UNQ749
/PRO1480, Semaphorin-4B, Semaphorin-C

Background

SEMA4B inhibits the invasion of non-small cell lung cancer (NSCLC) through PI3K-dependent suppression of MMP9 activation. SEMA4B may induce FoxO1 nuclear retention through suppressing PI3K/Akt signaling pathway, which subsequently inhibited cell growth through the direct nuclear target of FoxO1, p21. A role of SEMA4B in suppressing NSCLC growth, besides its role in inhibiting cell metastasis, and highlights SEMA4B as a promising therapeutic target for NSCLC.

Product Information

Source
HEK293 Cells

Purification
> 95% as determined by Bis-Tris PAGE, > 95% as determined by HPLC

Calculated MW
75.8 kDa

Observed MW
80-110 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Dissolve the lyophilized protein in distilled water.

Contact

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Basic Information

Description

Recombinant Human SEMA4B Protein is produced by HEK293 Cells system. The target protein is expressed with sequence (Leu44-Glu717) of Human SEMA4B(Accession # Q9NPR2) fused with His tag at the C-Terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

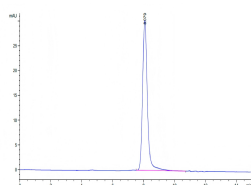
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human SEMA4B Protein was determined by Bis-Tris under reducing conditions .



The purity of Human SEMA4B is greater than 95% as determined by SEC-HPLC.