

Recombinant Human SEMA4B Protein

Catalog No.: RP03570

Sequence Information

Species **Gene ID**
Human 10509

Swiss Prot **Tags**
Q9NPR2 C-His

Synonyms

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

Product Information

Source **Purification**
HEK293 Cells > 95% as
 determined by
 Bis-Tris PAGE, >
 95% as
 determined by
 HPLC

Calculated MW **Observed MW**
75.8 kDa 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.

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.

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.

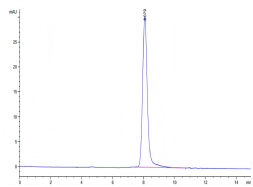
Contact

☎ | 400-999-6126

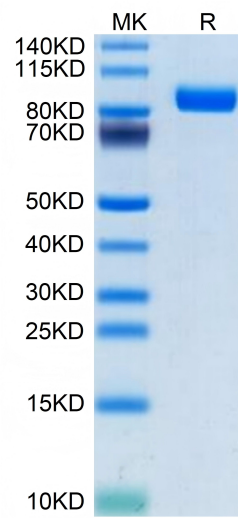
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Validation Data



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



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