

RP03509

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Recombinant Human Semaphorin-3A/SEMA3A Protein

Catalog No.: RP03509 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	10371	Q14563

Tags

N-His

Synonyms

SEMA3A; SEMAD , Semaphorin-3A; Semaphorin III; Sema III

Product Information

Source	Purification
	≥ 95 % as determined by Tris-Bis PAGE.

Endotoxin

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

Formulation

Lyophilized from 0.22μm filtered solution in PBS, 200mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Background

The secreted protein Sema3A (collapsin-1) was the first identified vertebrate semaphorin. Sema3A acts primarily as a repulsive axon guidance cue, and can cause a dramatic collapse of the growth cone lamellipodium. Neuropilin-1 (NP1) and members of the class A plexins (PlexA) form a Sema3A receptor complex, with NP1 serving as a high-affinity ligand binding partner, and PlexA transducing the signal into the cell via its large intracellular domain.

Basic Information

Description

Recombinant Human Semaphorin-3A/SEMA3A Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asn21-Val771) of Human Semaphorin-3A/SEMA3A (Accession #NP_006071.1) fused with His tag at the N-Terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

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

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

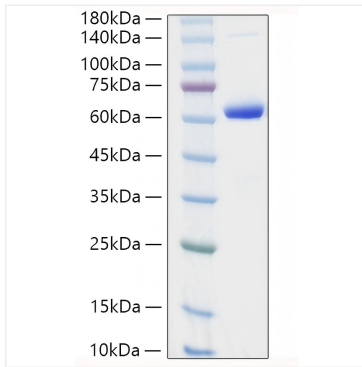
Contact



www.abclonal.com

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Validation Data



Recombinant Human
Semaphorin-3A/SEMA3A Protein on
Bis-Tris PAGE under reduced
condition.