

Recombinant Human Semaphorin-3A/SEMA3A Protein

Catalog No.: RP03509 **Recombinant**

Sequence Information

Species Human **Gene ID** 10371 **Swiss Prot** Q14563

Tags

N-His

Synonyms

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

Product Information

Source

HEK293 cells

Purification

≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW

87.7 kDa

Observed MW

60-70 kDa

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-Val1771) 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.

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.

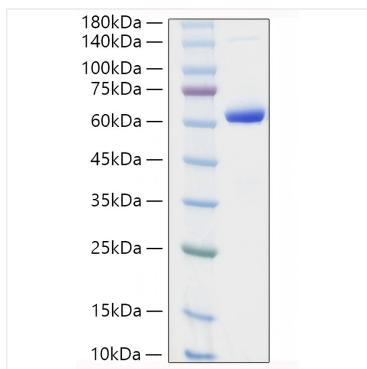
Operational Notes

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

Contact

	400-999-6126
	cn.market@abclonal.com.cn
	www.abclonal.com.cn

Validation Data



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