Recombinant Human Semaphorin-3A/SEMA3A Protein

Catalog No.: RP03509

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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-Val771) of Human Semaphorin-3A/SEMA3A (Accession #NP_006071.1) fused with His tag at the N-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℃

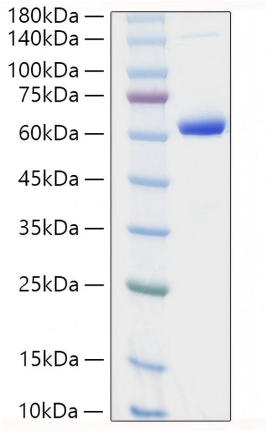
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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

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