Recombinant Human Neuropilin-2/NRP2 /VEGF165R2 Protein

Catalog No.: RP01856

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Sequence Information

Species
Human

Gene ID
8828

Swiss Prot
Q7Z3T9

Tags
C-hFc&6*His

Synonyms
NP2; NPN2; PRO2714; VEGF165R2，NRP2，neuropilin 2

Product Information

Source
HEK293 cells

Purification
≥ 90% as determined by SDS-PAGE.

Calculated MW
123.17 kDa

Observed MW
140-180 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Neuropilin-1 (Npn-1, previously known as neuropilin) and Neuropilin-2 (previously known as Npn-1-related molecule) are type I transmembrane proteins that bind distinct members of the class III secreted semaphorin subfamily that are implicated in repulsive axon guidance. Neuropilin extracellular domains contain two CUB (complement-binding) domains, two domains with homology to coagulation factors V and VIII, and a MAM (meprin) domain. In the absence of ligands, neuropilins can form homo- and hetero-oligomers via their MAM domains. Expression in developing neurons of the central and peripheral nervous systems is somewhat overlapping but distinct. Npn-1 and Npn-2 are also receptors for VEGF165 on endothelial and tumor cells.

Basic Information

Description
Recombinant Human Neuropilin-2/NRP2/VEGF165R2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Tyr855) of Human Neuropilin-2/NRP2/VEGF165R2 (Accession #NP_003863.2) fused with hFc tag at the C-terminus and 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℃

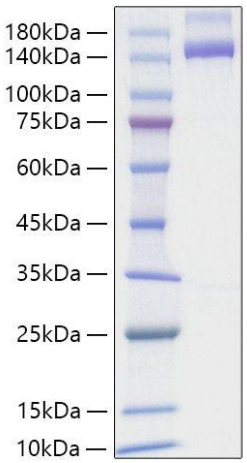
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Neuropilin-2/NRP2/VEGF165R2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.