

RP00225

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Recombinant Human Neuropilin-2/NRP2/VEGF165R2 Protein

Catalog No.: RP00225 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	8828	O60462

Tags

C-His

Synonyms

NRP2;NP2;NPN2;PRO2714;VEGF165R2; neuropilin-2

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

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. Contact us for customized product form or formulation.

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact



www.abclonal.com

Background

Neuropilin-2 (NRP-2) is a 120 kDa, type I transmembrane (TM) glycoprotein that is related to the semaphorin receptor now known as Neuropilin-1. Neuropilin-2 (NRP-2) binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). NRP-2 is well known for its role in facilitating axonal guidance during the development of the neuronal system, and additionally, it is also expressed in vascular endothelial cells and lymphatic endothelium where it affects proliferation, migration, angiogenesis, as well as formation of small lymphatic vessels and capillaries. Nearly all tumor cells express neuropilins and NRP-2 is predominantly expressed in neuronal tumors and melanomas.

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 (Accession #NP_003863.2) fused with a 6×His tag at the C-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.

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

Validation Data



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