

# Recombinant Human Neuropilin-2/NRP2/VEGF165R2 Protein

Catalog No.: RP01856 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	8828	Q7Z3T9

### Tags

C-hFc&6\*His

### Synonyms

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

## Product Information

Source	Purification
HEK293 cells	

### 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 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

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## 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.

### Bio-Activity

### Storage

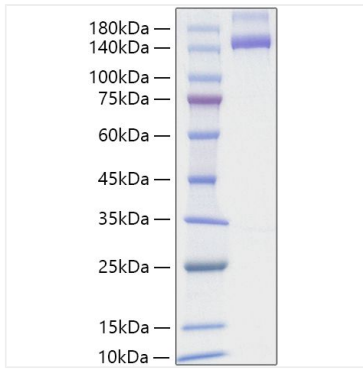
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

## Validation Data

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Recombinant Human Neuropilin-2/NRP2/VEGF165R2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 140-180 kDa.