

Human Neuropilin-1/NRP1/CD304 (His Tag) recombinant protein



Catalog Number: 503309

General Information

Gene Name Synonym

Vascular endothelial cell growth factor 165 receptor

Protein Construction

A DNA sequence encoding the human NRP1 isoform b (NP_001019799.1) (Met 1-Lys 644) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Using the Octet RED System, the affinity constant (Kd) of NRP1-his bound to biotinylated human VEGF165 was 25nM.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Phe 22

Molecular Mass

The secreted recombinant human NRP1 consists of 634 amino acids and has a calculated molecular mass of 71.3 kDa. As a result of glycosylation, rh NRP1 migrates as an approximately 88 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

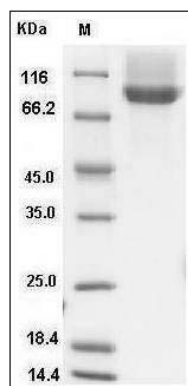
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human Neuropilin-1 / NRP1 / CD304 Protein (His Tag) SDS-PAGE