

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



Catalog Number: 500560

## 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 expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind with recombinant human VEGF165 in a functional ELISA.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Phe 22

### Molecular Mass

The recombinant human NRP1/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 861 amino acids and has a calculated molecular mass of 96.5 kDa. As a result of glycosylation, rh NRP1/Fc monomer migrates as an approximately 120-125 kDa protein 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

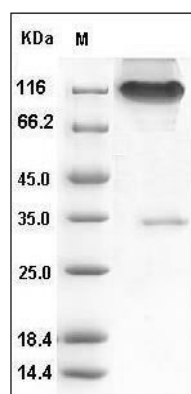
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 Protein (Fc Tag) SDS-PAGE