

## General Information

### Gene Name Synonym

Gp80-LNGFR; Low affinity neurotrophin receptor  
p75NTR; Low-affinity nerve growth factor  
receptor; p75 ICD

### Protein Construction

A DNA sequence encoding the human NGFR (P08138) extracellular domain (Met 1-Asn 250) was fused 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 inhibit NGF dependent proliferation of TF-1 human erythroleukemic cells. The ED<sub>50</sub> for this effect is typically 0.5-3 µg/mL in the presence of 4 ng/mL Recombinant Human NGF.

### 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

Lys 29

## Molecular Mass

The secreted recombinant human NGFR/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 463 amino acids and has a predicted molecular mass of 50.6 kDa. The apparent molecular mass of rhNGFR/Fc monomer is approximately 70-80 kDa in SDS-PAGE under reducing conditions due to glycosylation.

## 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

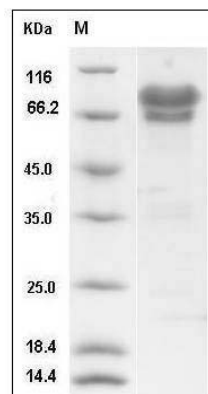
### Storage

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 NGFR / P75 Protein (Fc Tag) SDS-PAGE