

## Active Recombinant Human NGFR, Fc-tagged, Biotinylated

Cat. No. NGFR-653H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The recombinant human NGFR-Fc fusion is expressed as a 450 amino acid protein consisting of Lys29 -Asn250 region of NGFR (UniProt accession #P08138) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	29-250 a.a.
<b>Form</b>	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
<b>Bio-activity</b>	Binds to its ligand NGF and inhibits NGF dependent proliferation of human TF-1 erythroleukemic cells.
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 49.1; Estimated by SDS-PAGE under reducing condition (kDa): 70-80
<b>Endotoxin</b>	<0.1 eu="" per="" 1="" μg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
<b>Purity</b>	>95% judged by SDS-PAGE under reducing condition
<b>Storage</b>	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before

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opening the vial. It is recommended to store small aliquots at the temperature below  $-20^{\circ}\text{C}$  for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at  $4^{\circ}\text{C}$  for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

**Conjugation** Biotin

## GENE INFORMATION

**Gene Name** [NGFR nerve growth factor receptor \[ Homo sapiens \]](#)

**Official Symbol** [NGFR](#)

**Synonyms** NGFR; nerve growth factor receptor; nerve growth factor receptor (TNFR superfamily, member 16); tumor necrosis factor receptor superfamily member 16; CD271; low affinity nerve growth factor receptor; p75NTR; TNFR superfamily; member 16; TNFRSF16; p75 ICD; NGF receptor; TNFR superfamily, member 16; low affinity neurotrophin receptor p75NTR; low-affinity nerve growth factor receptor; p75(NTR); Gp80-LNGFR;

**Gene ID** [4804](#)

**mRNA Refseq** [NM\\_002507](#)

**Protein Refseq** [NP\\_002498](#)

**MIM** [162010](#)

**UniProt ID** [P08138](#)

**Chromosome** 17q21-q22

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**Location****Pathway**

Axonal growth inhibition (RHOA activation), organism-specific biosystem; Axonal growth stimulation, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Ceramide signalling, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; NADE modulates death signalling, organism-specific biosystem;

**Function**

death receptor activity; nerve growth factor binding; protein binding; receptor activity; signal transducer activity; transmembrane signaling receptor activity;

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