Active Recombinant Human NGFR, Fc-tagged, Biotinylated

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	29-250 a.a.
Form	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).
Bio-activity	Binds to its ligand NGF and inhibits NGF dependent proliferation of human TF-1 erythroleukemic cells.
Molecular Mass	Calculated molecular mass (kDa): 49.1; Estimated by SDS-PAGE under reducing condition (kDa): 70-80
Endotoxin	<0.1 eu="" per="" 1="" µg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	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°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°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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