

Active Recombinant Human NGFR Protein

Cat. No. NGFR-169N Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NGFR Protein without tag was expressed in HEK 293.
Species	Human
Source	HEK293
Description	NGF Receptor, also known as Gp80-LNGFR, p75 ICD, CD271 and TNFRSF16, is a type I transmembrane protein belonging to the TNF receptor family. It is expressed by both neuronal and non-neuronal cells. Signaling through NGF Receptor has been shown to regulate gene expression, cell migration and death. A truncated NGF Receptor containing only the extracellular domain has been detected in plasma, amniotic fluid and urine, and acts as a potent NGF antagonist.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50 < 0.4 µg/mL, measured in a neutralization assay using TF-1 cells in the presence of 10 ng/mL human b-NGF.
Molecular Mass	32-60 kDa, observed by reducing SDS-PAGE.
AA Sequence	KEACPTGLYTHSGECCKACNLGEGVAQPCGANQTVCEPCLDSVTFSDVVSATEPC KPCTECVGLQSMSAPCWEADDAVCRCA YGYYQDETTGRCEACRVCEAGSGLVFSC QDKQNTVCEECPDGTYSDEANHVDPCLPCTVCEDTERQLRECTRWADAECEEIPG RWITRSTPPEGSDSTAPSTQEPEAPPEQDLIASTVAGVVTTVMGSSQPVVTRGTTD N

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Endotoxin	< 0.2 EU/μg, determined by LAL method.
Purity	> 95% as analyzed by SDS-PAGE.
Storage	Lyophilized recombinant human NGF Receptor remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, human NGF Receptor should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 μg/mL.

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

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MIM	162010
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UniProt ID	P08138
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