

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 KPCTECVGLQSMSAPCVEADDAVCRCAYGYYQDETTGRCEACRVCEAGSGLVFSC QDKQNTVCEECPDGTYSDEANHVDPCLPCTVCEDTERQLRECTRWADAECEEIPG RWITRSTPPEGSDSTAPSTQEPEAPPEQDLIASTVAGVTTVMGSSQPVVTRGTTD 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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