

## NGF R, Human

**Cat. No.:** Z03105-1

**Size:** 1.0 mg

**Synonyms:** Gp80-LNGFR, p75 ICD, CD271, TNFRSF16

**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.

**Amino Acid Sequence:**

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00001 KEACPTGLYT HSGECCKACN LGEQVAQPCG ANQTVCEPCL
00041 DSVTFSDVVS ATEPCKPCTE CVGLQSMSAP CVEADDAVCR
00081 CAYGYYQDET TGRCEACRVC EAGSGLVFSC QDKQNTVCEE
00121 CPDGTYSDEA NHVDPCLPCT VCDTERQLR ECTRWADAEC
00161 EEIPGRWITR STPPEGS DST APSTQEPEAP PEQDLIASTV
00201 AGVVTTVMGS SQPVVTRGTT DN
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**Source:** HEK 293

**Species:** Human

**Biological Activity:** ED<sub>50</sub> < 0.4 µg/ml, measured in a neutralization assay using TF-1 cells in the presence of 10ng/ml human b-NGF.

**Molecular Weight:** 32-60 kDa, observed by reducing SDS-PAGE.

**Formulation:** Lyophilized after extensive dialysis against PBS.

**Reconstitution:** Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.

**Purity:** > 95% as analyzed by SDS-PAGE.

**Endotoxin Level:** < 0.2 EU/µg, determined by LAL method.

**Storage:** Lyophilized recombinant human NGF Receptor remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, human NGF Receptor should be stable up to 1 week at 4°C or up to 2 months at -20°C.