DATASHEET
Version 20181206

NGF R, Human

Cat. No.: Z03105-10

Size: 10.0 ug

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 LGEGVAQPCG ANQTVCEPCL
00041 DSVTFSDVVS ATEPCKPCTE CVGLQSMSAP CVEADDAVCR
00081 CAYGYYQDET TGRCEACRVC EAGSGLVFSC QDKQNTVCEE
00121 CPDGTYSDEA NHVDPCLPCT VCEDTERQLR ECTRWADAEC
00161 EEIPGRWITR STPPEGSDST APSTQEPEAP PEQDLIASTV
00201 AGVVTTVMGS SQPVVTRGTT DN
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Source: *HEK 293*

Species: Human

Biological Activity: ED_{50} < 0.4 μg /ml, measured in a neutrolization 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_2O 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.

GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-877-436-7274; 1-732-885-9188