

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant NGF R, Human

Catalog Number: BK0325-10µg

Source: HEK 293

Quantity: 10µg

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.

Molecular Weight:

32-60 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 0.4 µg /ml, measured in a neutralization assay using TF-1 cells in the presence of 10ng/ml human b-NGF.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

KEACPTGLYTHSGECCKAC-

AC-
NLGEGVAQPCGANQTVCEPCLDSVTFSDVVSAT
EPCKPCTECVGLQSMSAPCVE-
ADDAVCRCAYGYYQDETT-
GRCEACRVCEAGSGLVF-
SCQDKQNTVCEECPDGTYS-
DEANHVDPCLPCTVCEPCLDSVTFSDVVSAT
DAECEIIPGRWITRSTPPEGS DSTAPSTQEPEAP-
PEQDLIASTVAGVVTTVMGSSQPVVTRGTTDN

Endotoxin:

< 0.2 EU/µg, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 µg/ml.

Storage:

Lyophilized recombinant human NGF Receptor remains stable up to 6 months at -80 °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.

Usage:

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