

Rev04
Update: Mar,01,2022

DATASHEET

NGF R, Human

Cat. No.: Z03105

Product Introduction

Species	Human
Protein Construction	NGFR (Lys29-Asn250) Accession # P08138
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 0.2 EU/ μ g of protein by gel clotting method
Biological Activity	ED ₅₀ < 0.4 μ g /ml, measured in a neutralization assay using TF-1 cells in the presence of 10.0 ng/ml human b-NGF.
Expression System	HEK 293
Apparent Molecular Weight	32~60 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μ g/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Background

Target Background : 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.

Synonyms : Gp80-LNGFR; p75 ICD; CD271; TNFRSF16

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.