Bioactive HuPro®

NGFR (Human) Recombinant Protein

Catalog # P7364 Size 10 ug

Specification

Product Description	Human NGFR (P08138, 29 a.a. - 250 a.a) partial recombinant protein expressed in HEK293 cells.
Sequence	KEACPTGLYTHSGECCKACNLGEGVAQPCGANQTVCEPCLDSVTFSDVVSATEPCKPCTECVG LQSMSAPCVEADDAVCRCAYGYYQDETTGRCEACRVCEAGSGLVFSCQDKQNTVCEECPDGT YSDEANHVDPCLPCTVCEDTERQLRECTRWADAECEEIPGRWITRSTPPEGSDSTAPSTQEPEA PPEQDLIASTVAGVVTTVMGSSQPVVTRGTTDN
Host	Human
Theoretical MW (kDa)	32 - 60
Form	Lyophilized
Preparation Method	Mammalian cell (HEK 293) expression system
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	< 0.2 EU/ug of protein by gel clotting method
Activity	ED_{50} < 0.4 ug /ml, measured in a neutrolization assay using TF-1 cells in the presence of 10.0 ng/ml human b-NGF.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH_2O up to 100 ug/mL.
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

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- SDS-PAGE

Gene Info — NGFR

Entrez GeneID	4804
Protein Accession#	P08138
Gene Name	NGFR
Gene Alias	CD271, Gp80-LNGFR, TNFRSF16, p75(NTR), p75NTR
Gene Description	nerve growth factor receptor (TNFR superfamily, member 16)
Omim ID	162010
Gene Ontology	Hyperlink
Gene Summary	Nerve growth factor receptor contains an extracellular domain containing four 40-amino acid repeats with 6 cysteine residues at conserved positions followed by a serine/threonine-rich region, a single transmembrane domain, and a 155-amino acid cytoplasmic domain. The cysteine-rich region contains the nerve growth factor binding domain. [provided by RefSeq
Other Designations	low affinity nerve growth factor receptor|low-affinity nerve growth factor receptor|nerve growth factor receptor

Pathway

- Cytokine-cytokine receptor interaction
- Neurotrophin signaling pathway

Disease

- Alzheimer disease
- Asperger Syndrome
- Asthma
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder

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- Bronchiolitis
- Celiac Disease
- Depressive Disorder
- Disease Models
- Eating Disorders
- Genetic Diseases
- Genetic Predisposition to Disease
- Infant
- Kidney Failure
- Mental Disorders
- Multiple Sclerosis
- Respiratory Syncytial Virus Infections
- Social Perception

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