CNTFR (Human) Recombinant Protein

Catalog # P8513 Size 2 x 10 ug

Specification

Product Description	Human CNTFR (P26992, 23 a.a. - 342 a.a.) partial-length recombinant protein with His-tag at C-terminal expressed in *Baculovirus*.
Sequence	ADPQRHSPQEAPHVQYERLGSDVTLPCGTANWDAAVTWRVNGTDLAPDLLNGSQLVLHGLELG HSGLYACFHRDSWHLRHQVLLHVGLPPREPVLSCRSNTYPKGFYCSWHLPTPTYIPNTFNVTVLH GSKIMVCEKDPALKNRCHIRYMHLFSTIKYKVSISVSNALGHNATAITFDEFTIVKPDPPENVVARPV PSNPRRLEVTWQTPSTWPDPESFPLKFFLRYRPLILDQWQHVELSDGTAHTITDAYAGKEYIIQVA AKDNEIGTWSDWSVAAHATPWTEEPRHLTTEAQAAETTTSTTSSLAPPPTTKICDPGELGSHHHH HH.
Host	Viruses
Theoretical MW (kDa)	36.9
Form	Liquid
Preparation Method	*Baculovirus* expression system
Purity	> 95% by SDS-PAGE
Storage Buffer	CTNFR protein solution (1mg/mL) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — CNTFR

Entrez GeneID	1271
Protein Accession#	P26992

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Gene Name	CNTFR
Gene Alias	MGC1774
Gene Description	ciliary neurotrophic factor receptor
Omim ID	118946
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a hematopoeitin/interferon-class receptor belonging to the cytokine superfamily of receptors. The encoded gene product represents the CNTF-specific alpha subunit of a heterotrimer forming the CNTF receptor complex, which also includes LIFR and gp130. The receptor is attached to the membrane by a glycosyl-phosphatidylinositol linkage and contains an immunoglobulin-like C2-type domain and a fibronectin type-III domain. Signal transduction requires that CNTF bind first to this alpha component, which permits the recruitment of gp130 and LIFR beta to form the tripartite receptor complex. Signal transduction stimulates gene expression, cell survival or differentiation in a variety of neuronal cell types. Alternative splicing has been observed at this locus and two variants, both encoding the same protein, have been identified. [provided by RefSeq
Other Designations	CNTFR alpha|OTTHUMP00000021270|OTTHUMP00000021271|ciliary neurotrophic factor receptor alpha

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway

Disease

- Alzheimer disease
- Cerebral Amyloid Angiopathy
- Disease Models
- Eating Disorders
- Genetic Predisposition to Disease
- Mental Disorders
- Neuroblastoma
- Tobacco Use Disorder

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