

CNTFR (Human) Recombinant Protein

Catalog # P8512

Size 25 ug

Specification

Product Description	Human CNTFR (P26992, 23 a.a. - 342 a.a) partial-length recombinant protein with His-tag at N-terminal expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMQRHSPQEAPHVQYERLGSDVTLPCGTANWDAAVTWRVNGTD LAPDLLNGSQLVLHGLELGHSGLYACFHRDSWHLRHQVLLHVGLPPREPVLSCRSNTYPKGFYC SWHLPTPTYIPNTFNVTVLHGSKIMVCEKDPALKNRCHIRYMHLFSTIKYKVSISVSNALGHNATAITF DEFTIVKPDPPENVVARPVPSNPRRLEVTWQTPSTWPDPEFPLKFFLRYPILDQWQHVELS DGTHTITDAYAGKEYIIQVAAKDNEIGTWSDWSVAAHATPWTEEPRLTTEAQAAETTTSTSSLA PPPTTKICDPGELGS.
Host	Escherichia coli
Theoretical MW (kDa)	38.1
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 85% by SDS-PAGE
Storage Buffer	CNTFR protein solution (1mg/mL) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
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

Gene Name	CNTFR
Gene Alias	MGC1774
Gene Description	ciliary neurotrophic factor receptor
Omim ID	118946
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a hematopoietin/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](#)