

Recombinant Full Length Human CNTFR Protein, C-Flag-tagged

Cat. No. CNTFR-1986HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CNTFR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the type 1 cytokine receptor family. The encoded protein is the ligand-specific component of a tripartite receptor for ciliary neurotrophic factor, which plays a critical role in neuronal cell survival, differentiation and gene expression. Binding of ciliary neurotrophic factor to the encoded protein recruits the transmembrane components of the receptor, gp130 and leukemia inhibitory factor receptor, facilitating signal transduction. Single nucleotide polymorphisms in this gene may be associated with variations in muscle strength, as well as early onset of eating disorders. Alternatively spliced transcript variants have been observed for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	38.7 kDa
AA Sequence	MAAPVPWACCAVLAAAAVVYAQRHSPQEAPHVQYERLGSDVTLP CGTANWDAA VTWRVNGTDLAPDLLN GSQVLVHGLELGHSGLYACFHRDSWHLRHQVLLHVGLPP REPVLSCRSNTYPKGFYCSWHLPTPTYIPNT FNVTVLHGSKIMVCEKDPALKNRCHI RYMHLFSTIKYKVSISVSNALGHNATAITFDEFTIVKPDPPENV VARPVPSNPRRLEV

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TWQTPSTWPDPESEFPLKFFLRYPILLDQWQHVELSDGTAHTITDAYAGKEYIIQV A
AKDNEIGTWSDWSVAAHATPWTEEPRLTTEAQA AETTTSTSSLAPPPTTKICDPG
ELGSGGGPSAPF LVSVPITLALAAAAATASSLLI TRTRPLEQKLISEEDLAANDILDYK
DDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
Full Length	Full L.

GENE INFORMATION

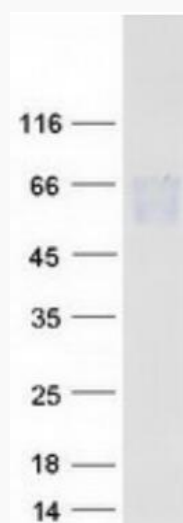
Gene Name	CNTRF ciliary neurotrophic factor receptor [Homo sapiens (human)]
Official Symbol	CNTRF
Synonyms	MGC1774

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Gene ID	1271
mRNA Refseq	NM_147164.3
Protein Refseq	NP_671693.1
MIM	118946
UniProt ID	P26992



Coomassie blue staining of purified CNTFR protein.