

Recombinant Human CNTFR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CNTFR-5041H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CNTFR MS Standard C13 and N15-labeled recombinant protein (NP_671693) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	40.6 kDa
AA Sequence	MAAPVPWACCAVLAAAAVVYAQRHSPQEAPHVQYERLGSDVTLPCGTANWDAA VTWRVNGTDLAPDLLNGSQLVLHGLELGHSGLYACFHRDSWHLRHQVLLHVGLPP REPVLSCRSNTYPKGFYCSWHLPTPTYIPNTFNVTVLHGSKIMVCEKDPALKNRCHI RYMHLFSTIKYKVSISVSNALGHNATAITFDEFTIVKPDPPENVVARPVPSNPRRLEVT WQTPSTWPDPEFPLKFFLRPLILDQWQHVELSDGTAHTITDAYAGKEYIIQVAA

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KDNEIGTWSDWSVAAHATPWTEEPRLTTEAQA AETTTSTTSSLAPPPTTKICDPGE
 LGSGGGGPSAPFLVSPITLALAAAAATASSLLITRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [CNTFR ciliary neurotrophic factor receptor \[Homo sapiens \(human\) \]](#)

Official Symbol [CNTFR](#)

Synonyms CNTFR; ciliary neurotrophic factor receptor; ciliary neurotrophic factor receptor subunit alpha; CNTFR-alpha; CNTF receptor subunit alpha; MGC1774;

Gene ID [1271](#)

mRNA Refseq [NM_147164](#)

Protein Refseq [NP_671693](#)

MIM [118946](#)

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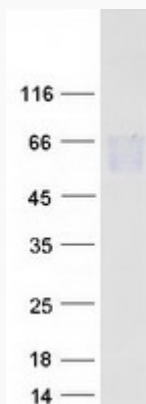
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UniProt ID

P26992

SDS-PAGE

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