

Recombinant Human CNTFR Protein, His-tagged

Cat. No. CNTFR-184H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CNTFR protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	372
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	Lyophilized
Molecular Mass	36.9 kDa
AA Sequence	MAAPVPWACCAVLAAAAVVYAQRHSPQEAPHVQYERLGSDVTLP CGTANWDAA VTWRVNGTDLAPDLLNGSQLVLHGLELGHSGLYACFHRDSWHLRHQVLLHVGLPP REPVLSCRSNTYPKGFYCSWHLPTPTYIPNTFNVTVLHGSKIMVCEKDPALKNRCHI RYMHLFSTIKYKVSISVSNALGHNATAITFDEFTIVKPDPPENVVARPVPSNPRRLEVT

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WQTPSTWPDPEFPLKFFLRPLILDQWQHVELSDGTAHTITDAYAGKEYIIQVAA
 KDNEIGTWSWSDWSVAHAHATPWTEEPRLTLTEAQAATTSTTSSLAPPPTTKICDPGE
 LGSGGGGPSAPFLVSPITLALAAAAATASSLLI

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

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;

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Gene ID	1271
mRNA Refseq	NM_001207011
Protein Refseq	NP_001193940
MIM	118946
UniProt ID	P26992

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