

Recombinant Human CNTFR Protein (23-342aa), C-His-tagged

Cat. No. CNTFR-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CNTFR (23-342aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques
Species	Human
Source	Insect Cells
ProteinLength	23-342
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	Liquid
Molecular Mass	36.9 kDa (329aa)
AA Sequence	ADPQRHSPQEAPHVQYERLGSDVTLP CGTANWDAAVTWRVNGTDLAPDLLNGSQL VLHGLELGHSGLYACFHRDSWHLRHQVLLHVGLPPREPVLSCRSNTYPKGFYCSW

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HLPTPTYIPNTFNVTVLHGSKIMVCEKDPALKNRCHIRYMHLFSTIKYKVSISVSNALG
HNATAITFDEFTIVKPDPPENVVARPVPSNPRRLEVTWQTPSTWPDPEFPLKFFLR
YRPLILDQWQHVELSDGTAHTITDAYAGKEYIIQVAAKDNEIGTWSDWSVAAHATPW
TEEPRHLTTEAQA AETTTSTTSSLAPPPTTKICDPGELGSHHHHHH

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 95% by SDS-PAGE

Applications SDS-PAGE

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/mL (determined by absorbance at 280nm)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

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; CNTF receptor subunit alpha; CNTFR-alpha

Gene ID 1271

mRNA Refseq NM_001842

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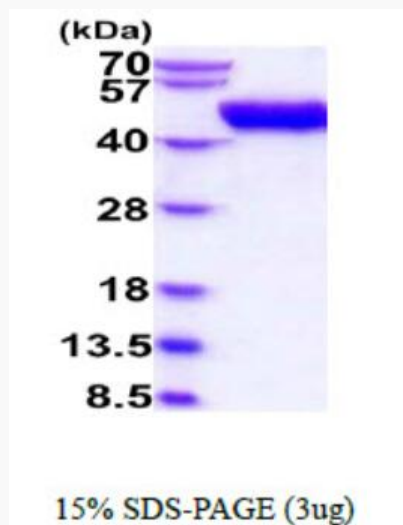
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Protein Refseq NP_001833

MIM 118946

UniProt ID P26992

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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