

Recombinant Mouse Cntfr Protein, MYC/DDK-tagged

Cat. No. CNTFR-3683M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse ciliary neurotrophic factor receptor (Cntfr), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes the alpha subunit of the ciliary neurotrophic factor (CNTF) receptor that triggers the assembly of a trimolecular complex upon binding to CNTF, and initiate a downstream signaling process. The encoded preproprotein undergoes proteolytic processing to generate a glycosylphosphatidylinositol-linked cell surface protein. Mice lacking the encoded protein die shortly after birth and exhibit a reduction of motoneuron number at birth. The transgenic disruption of this gene specifically in the skeletal muscle followed by a peripheral nerve lesion impairs motor neuron axonal regeneration across the lesion site. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	40.8 kDa
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 after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Cntfr ciliary neurotrophic factor receptor \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Cntfr](#)

Synonyms Cntfr; ciliary neurotrophic factor receptor; Cntfralpha; ciliary neurotrophic factor receptor subunit alpha; CNTF receptor subunit alpha

Gene ID [12804](#)

mRNA Refseq [NM_016673](#)

Protein Refseq [NP_057882](#)

UniProt ID [O88507](#)

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