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## DATASHEET

### Recombinant human CNTFR protein

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#### Product overview

<b>Name</b>	Recombinant human CNTFR protein
<b>Cat No</b>	HB6845
<b>Biological description</b>	The CNTFR (Ciliary Neurotrophic Factor Receptor) is a member of the type I cytokine receptor family.  CNTFR has been associated with variations in muscle strength, in addition to early onset of eating disorders.
<b>Species of origin</b>	human
<b>Alternative names</b>	Recombinant Human Ciliary Neurotrophic Factor Receptor, Ciliary Neurotrophic Factor Receptor, CNTF Receptor Subunit Alpha, CNTFR-Alpha, Ciliary Neurotrophic Factor Receptor Subunit Alpha, Ciliary neurotrophic factor receptor subunit alpha, CNTF receptor subunit alpha, CNTFR-alpha.
<b>Purity</b>	>85%
<b>Description</b>	Human Ciliary Neurotrophic Factor Receptor protein

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#### Solubility & Handling

<b>Handling</b>	<ul style="list-style-type: none"><li>Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.</li><li>Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.</li><li>For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions. Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles should be prevented.</li></ul>
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

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#### Chemical Data

<b>UniProt ID</b>	P26992
<b>Source</b>	E. Coli.
<b>Appearance</b>	Clear colourless solution (sterile filtered)
<b>Formulation</b>	Solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol

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#### References

##### The ciliary neurotrophic factor and its receptor, CNTFR alpha

Sleeman MW *et al* (2000) Pharm Acta Helv 74(2-3)  
**PubMedID** [10812968](#)

##### Ciliary neurotrophic factor (CNTF) promotes skeletal muscle progenitor cell (MPC) viability via the phosphatidylinositol 3-kinase-Akt pathway

Hiatt K *et al* (2014) J Tissue Eng Regen Med 8(12)  
**PubMedID** [23147834](#)

##### Ciliary neurotrophic factor (CNTF): New facets of an old molecule for treating neurodegenerative and metabolic syndrome

