

**Synonym**

CNTFR, CNTF R alpha

**Source**

Human CNTF R alpha, His Tag(CNR-H5225) is expressed from human 293 cells (HEK293). It contains AA Gln 23 - Pro 346 (Accession # [AAH01492](#)).

Predicted N-terminus: Gln 23

**Molecular Characterization**

CNTF R alpha(Gln 23 - Pro 346) AAH01492	Poly-his
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This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 37.6 kDa. The protein migrates as 45-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**

Less than 1.0 EU per µg by the LAL method.

**Purity**

>95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

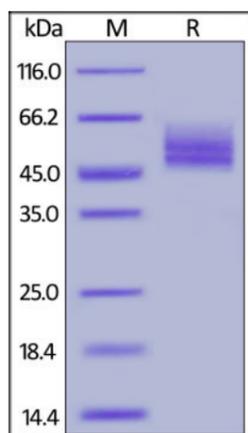
**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**

Human CNTF R alpha, His Tag on SDS-PAGE under reducing (R) condition.

The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

**Background**

Ciliary neurotrophic factor receptor subunit alpha (CNTFR or CNTFR-alpha) belongs to the type I cytokine receptor family and type 3 subfamily. CNTFR contains two fibronectin type-III domains and one Ig-like C2-type (immunoglobulin-like) domain. This receptor and its cognate ligand support the survival of neurons. This receptor is most closely related to the interleukin-6 receptor. This receptor possesses an unusual attachment to the cell membrane through a glycosphosphatidylinositol linkage.

**Clinical and Translational Updates**

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.