

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.

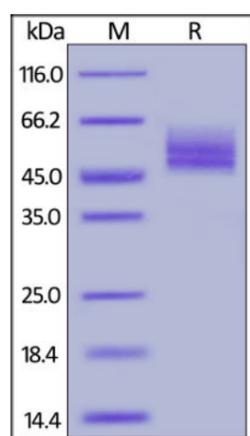
Storage

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 if you have any question on this product.