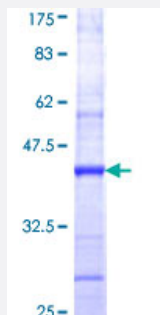


# CNTFR (Human) Recombinant Protein (Q01)

Catalog # H00001271-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                      |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human CNTFR partial ORF ( NP_671693, 47 a.a. - 158 a.a.) recombinant protein with GST-tag at N-terminal.             |
| <b>Sequence</b>                      | GTANWDAAVTWRVNGTDLAPDLLNGSQLVLHGLELGHSGLYACFHRDSWHLRHQVLLHVGLPP<br>REPVLSCSRNTYPKGFYCSWHLPTPTYIPNTFNVTVLHGSKIMVCEKDP |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                                |
| <b>Theoretical MW (kDa)</b>          | 38.06                                                                                                                |
| <b>Interspecies Antigen Sequence</b> | Mouse (96); Rat (94)                                                                                                 |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                                |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                    |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                          |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                             |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                      |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                               |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — CNTFR

Entrez GeneID [1271](#)

GeneBank Accession# [NM\\_147164](#)

Protein Accession# [NP\\_671693](#)

Gene Name CNTFR

Gene Alias MGC1774

Gene Description ciliary neurotrophic factor receptor

Omim ID [118946](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a hematopoietin/interferon-class receptor belonging to the cytokine superfamily of receptors. The encoded gene product represents the CNTF-specific alpha subunit of a heterotrimer forming the CNTF receptor complex, which also includes LIFR and gp130. The receptor is attached to the membrane by a glycosyl-phosphatidylinositol linkage and contains an immunoglobulin-like C2-type domain and a fibronectin type-III domain. Signal transduction requires that CNTF bind first to this alpha component, which permits the recruitment of gp130 and LIFR beta to form the tripartite receptor complex. Signal transduction stimulates gene expression, cell survival or differentiation in a variety of neuronal cell types. Alternative splicing has been observed at this locus and two variants, both encoding the same protein, have been identified. [provided by RefSeq]

**Other Designations** CNTFR alpha|OTTHUMP00000021270|OTTHUMP00000021271|ciliary neurotrophic factor receptor alpha

## Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Disease Models](#)
- [Eating Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Neuroblastoma](#)
- [Tobacco Use Disorder](#)