

## Product datasheet for **TP505731**

### Cntfr (NM\_016673) Mouse Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Purified recombinant protein of Mouse ciliary neurotrophic factor receptor (Cntfr), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug  |
| Species:                              | Mouse  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >MR205731 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MAASVPWACCAVLAAAAAAVYTQKHSPQEAPHVQYERLGADVTLPCGTASWDAAVTWVRVNGTDLAPDL<br>LN<br>GSQILRSLELGHSGLYACFHRDSWHLRHQVLLHVGLPPREPVLSRCSNTYPKGFYCSWHLPTPTYIPNT<br>FNVTVLHGSKIMVCEKDPALKNRCHIRYMHLFSTIKYKVSISVSNALGHNTTAITFDEFTIVKPDPPENV<br>VARPVPSNPRRLEVTWQTPSTWPDPEFPLKFFLRYPILDDQWQHVELSDGTAHTITDAYAGKEYIIQV<br>AAKDNEIGTWSWVAHAHATPWTEEPRLTTEAQAPETTTSTSSLAPPPTTKICDPGELGSGGGGPSILF<br>LTSVPVTLVLAATAATANNLLI<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-MYC/DDK  |
| Predicted MW:                         | 40.8 kDa   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| Storage:                              | Store at -80°C after receiving vials.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| RefSeq:                               | <u><a href="#">NP_057882</a></u>   |
| Locus ID:                             | 12804  |


[View online »](#)

UniProt ID: O88507

RefSeq Size: 2000

Cytogenetics: 4 21.81 cM

RefSeq ORF: 1116

Synonyms: Cntf; Cntfalpha

**Summary:** 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. [provided by RefSeq, Nov 2015]