

Product datasheet for **MC205483**

Cntfr (NM_016673) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntfr (NM_016673) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cntfr
Synonyms:	Cntf; Cntfralpha
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC046974
 CCGCAGTGGGATCCGGCCGAGTCTCGCTCCGCGCTCCTGCCTCGTCCCCGCCTGCAGCGGCCGAAGG
 GCGCGGCGCGGAGCCCGGTGGCCCGAGGGCGGAACCTGCCCGTACATCATCCCAGGAAGACTTTG
 GTCTGGAGAGGAGGATAATATTGATGTGTGTGGAGAACAGCTGGTGGTAACGAGATGGCTGCTTCTGTCC
 CATGGGCTGTGTGTGTGCTTGCCGCTGCCGCGCCGCTGTCTACACGCAGAAACACAGTCCACAGGA
 GGCACCCACGTGCAGTATGAGCGTCTGGGCGCAGATGTGACGCTGCCGTGTGGACAGCGAGCTGGGAC
 GCAGTGTGACATGGAGGTAACGGGACAGATCTGGCCCTGACCTGCTCAACGGCTCTCAGTGATAC
 TGCGAAGCTTAGAACTGGGCCACAGTGGCCTATACGCCTGTTTCCACCGTGACTCCTGGCACCTGGCCA
 CCAAGTCTTCTACATGTGGTTTGGCGCCGCGGAGCCTGTGCTCAGCTGCCGCTCCAACACTTACCCC
 AAGGGTCTACTGCAGCTGGCACCTGCCACCCACCTACATCCCAATACCTTCAATGTGACTGTGC
 TGCATGGCTCCAAAATTATGGTCTGTGAGAAGGACCCAGCCCTCAAGAACCGTGCCACATTGCGTACAT
 GCACCTGTTCTCAACCATCAAGTACAAGGTCTCCATAAGTGTGAGCAACGCCTTGGGTACAACTACG
 GCCATCACCTTTGACGAATTCACCATTGTGAAGCCTGATCCTCCAGAAAACGTGGTGGCCCGCCAGTGC
 CCAGCAACCCCGTGGCTGGAGGTGACATGGCAGACACCCTCAACTGGCCCGACCTGAATCCTTTCC
 TCTCAAGTCTTCTGCGCTACCGCCTCTCATCTGGACCAATGGCAGCATGTGGAGCTCTCGGATGGC
 ACAGCACACACCATCACAGATGCCTACGCAGGGAAGGAATACATCATCCAGGTGGCAGCCAAGGACAATG
 AGATTGGGACATGGAGTGACTGGAGCGTGGCTGCTCACGCCACACCTGGACTGAGGAACCTCGGCATCT
 CACAACAGAAGCCAGGCCCGGAGACCAGCAGCACCACAGCTCATTGGCACCCCAACCCACACG
 AAGATCTGTGACCCTGGGAGCTTGGCAGCGGCGGAGGACCTCCATACTTCTTGGACAGTGTCCAG
 TCACTCTGGTCTGGCTGCCGCTGCTGCCACAGCAACAATCTCCTGATCTGAGCCCTGCATCCCACGAG
 GACATGCCAGAGCGCTGCGGAGGAGCAGGAGGCCGAGCTGAGCCTGCAGACCCCGTTTCTATTTTGC
 ACACGGGCAGGAGACCTTTTGCATTCTTTCAGACACAATTTGTAGAGACCCCGGACGGCCCGGCGCTG
 CCTTCCGTCACCCAGCCTCATCTCACCAAGCCGCGCTCCTTTCCATCCAGAGAGGAGGACCATGCAGC
 TAACCCACCCACCAAGACCCCTCTCATCTTTCCCGCTCGGGCTGGACCCTCCAACGCCAGCGACTCCC
 AGGAGCCCTTGGGGACCTGAGGGGAGCCCAACCCACATCCACAGTTTTCTCCTGCCCCAGCCTC
 CTGTCTGTCCCAGGTCTTTGTTGCCACCATCAGATTATAAGCTCCTGACACTGGGGGGCCAGCCATC
 CCCCTCCCCCGGTGCCACACTTTTTCAGTCTTCCACCTTTGCCCTGTTTTGTACGATCTCCATTGG
 CCCTTCTACCCCCAGTATTTAATGCTCTGTCAGTCCCTTCTAGTCTGACTCAATGGTAACTTGTGT
 ATTTGAATTTTTATAGATGTATATACATGGGAGGAGGGGTAGGGAGTTCTCATTAAACGTCACCATT
 CATGAGAAA

Restriction Sites: RsrII-NotI

ACCN: NM_016673

Insert Size: 1119 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC046974](#), [AAH46974](#)

RefSeq Size: 2013 bp

RefSeq ORF: 1119 bp

Locus ID: 12804

UniProt ID: [O88507](#)

Cytogenetics: 4 21.81 cM

Gene 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]

Transcript Variant: This variant (1) represents the shorter transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.