

Product datasheet for **SC109084**

CNTF Receptor alpha (CNTFR) (NM_001842) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNTF Receptor alpha (CNTFR) (NM_001842) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNTF Receptor alpha
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_001842 edited
GAATTCGGCACGAGGCGGCGGCAGCGGAGGCGGCGGCTCCAGCCGGCGCGGCAGGCT
CGGCGGTGGGATCCGGCGGGCGGTGCTAGCTCCGCGCTCCCTGCCTCGCTCGCTGCCGGG
GGCGGTGGAAGGCGGCGCGGAAGCCCGGGTGGCCCGAGGGCGCGACTTAGCCTTGTG
ACCTCATCTTGGCCCTTGGTTTGGAAAGTCTGAAGAGTTGGTCTGGAGGAGGAGGAGG
ACATTGATGTGCTTGGTGTGTGGCCAGTGGTGAAGAGATGGCTGCTCCTGTCCCGTGGC
CTGCTGTGCTGTGCTTGCCCGCCCGCCGAGTTGTCTACGCCAGAGACACAGTCCACA
GGAGGCACCCCATGTGCAGTACGAGCGCCTGGGCTCTGACGTGACACTGCCATGTGGGAC
AGCAAAGTGGGATGCTGCGGTGACGTGGCGGTAATGGGACAGACCTGGCCCTGACCT
GCTCAACGGTCTCAGCTGGTGTCCATGGCCTGGAAGTGGCCACAGTGGCCTCTACGC
CTGCTTCCACCGTACTCCTGGCACCTGCGCCACCAAGTCTGTGCATGTGGGCTTGCC
GCCGCGGAGCCTGTGCTCAGCTGCCGCTCCAACACTTACCCCAAGGCTTCTACTGCAG
CTGGCATCTGCCACCCACCTACATTCCCAACACCTTCAATGTGACTGTGCTGCATGG
CTCCAAAATTATGGTCTGTGAGAAGGACCAGCCCTCAAGAACCGCTGCCACATTCGCTA
CATGCACCTGTTCTCCACCATCAAGTACAAGGTCTCCATAAGTGTGAGCAATGCCCTGGG
CCACAATGCCACAGCTATCACCTTTGACGAGTTACCATTGTGAAGCCTGATCCTCCAGA
AAATGTGGTAGCCCGGCCAGTGCCAGCAACCCTCGCCGGCTGGAGGTGACGTGGCAGAC
CCCTCGACCTGGCCTGACCCTGAGTCTTTTCTCTCAAGTTCTTTCTGCGCTACCGACC
CCTCATCTGGACAGTGGCAGCATGTGGAGCTGTCCGACGGCACAGCACACCATCAC
AGATGCCTACGCCGGGAAGGAGTACATTATCCAGGTGGCAGCCAAGGACAATGAGATTGG
GACATGGAGTGACTGGAGCGTAGCCGCCACGCTACGCCCTGGACTGAGGAACCGCGACA
CCTCACACGGAGGCCAGGCTGCGGAGACCACGACCAGCACCACAGCTCCCTGGCACC
CCCACCTACCACGAAGATCTGTGACCTGGGGAGCTGGGCAGCGCGGGGACCCCTCGGC
ACCCTTCTTGGTCAGCGTCCCATCACTCTGGCCCTGGCTGCCGCTGCCGCACTGCCAG
CAGTCTCTTGATCTGAGCCCGGCAACCCATGAGGACATGCAGAGCACCTGCAGAGGAGCA
GGAGGCCGGAGCTGAGCCTGCAGACCCCGGTTTCTATTTTGCACACGGGCAGGAGACCT
TTTGCATTCTTTCAGACACAATTTGTGGAGACCCCGCGGGCCCGGGCCTGCCGCCCC
CAGCCCTGTGACCAAGCTGGCCCTCCTTCTCCCTCAGGGGAGGTGGGCCATGCAGCT
AACCCACCCACCAAGACCCCTCACCTGGCCCTTGGGCTGGACCTCCAATGCCAGC
GACTCCCAGGAGCCCTTGGGGACGTGAGGGGAGCCTCTCACATCCGATTTCTCCTCTG
CCCCAGCCTCCTGTCTATCCCAGGTCTCTGTTGCCACCATCAGATTATAAGCTCCTGAT
GCTGGGGGGGCCAGCCATCCCCCTCCCCCAGCACCACAATTTTCAGTCCCCTCCCCT
CTGCCCTGTTTTGTATACCCCTCCCCTGACCCTGCTCCTATCCCACAGTATTTAATGCC
TGTGAGTCCXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXACTCG
AC
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001842 unedited CACCATTATGTAATACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGGCGGCGGCA GCGGAGGCGGCGGCTCCAGCCGGCGGCGGCGGAGGCTCGGCGGTGGGATCCGGCGGGCGG TGCTAGCTCCGCGCTCCCTGCCTCGCTCGCTGCCGGGGCGGTGCGAAGGCGGGCGCGA AGCCCCGGTGGCCCGAGGGCGGACTCTAGCCTTGTCACCTCATCTTGCCCCCTTGGTTT TGAAGTCCTGAAGAGTTGGTCTGGAGGAGGAGGACATTGATGTGCTTGGTGTGTGG CCAGTGGTGAAGAGATGGCTGCTCCTGTCCCGTGGCCCTGCTGTGCTGTGCTTGCCGCCG CCGCCGAGTTGTCTACGCCAGAGACACAGTCCACAGGAGGCACCCCATGTGCAGTACG AGCGCCTGGGCTCTGACGTGACACTGCCATGTGGGACAGCAAACCTGGGATGCTGCGGTGA CGTGGCGGGTAAATGGGACAGACCTGGCCCTGACCTGCTCAACGGCTCTCAGCTGGTGC TCCATGGCCTGGAACCTGGCCACAGTGGCCTCTACGCCTGCTTCCACCGTACTCCTGGC ACCTGCGCCACCAAGTCCTGCTGCATGTGGCTTGCCGCCGCGGGAGCCTGTGCTCAGCT GCCGCTCCAACACTTACCCCAAGGGCTTCTACTGCAGTGGCATCTGCCACCCCACT ACATCCCAACACCTTCAATGTGACTGTGCTGCATGGCTCCAAATATGGTCTGTGAGAA GGACCCAGCCCTCAGAACCGCTGCCACATCGCTACATGCACCTGTNTCTACCATCAAGT ACAGGTTCTCCCTAAGTGTGAGCATGCCCTGGGCCACATGCCAGCTACACCTTTGACAG GTCACATTGTGAGCCTGATCCTCACAAAGTGGAGCCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_001842
Insert Size:	2090 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:	<ol style="list-style-type: none"> 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:	NM_001842.3 , NP_001833.1
RefSeq Size:	1944 bp
RefSeq ORF:	1119 bp
Locus ID:	1271
UniProt ID:	P26992
Cytogenetics:	9p13.3
Domains:	ig, IGc2, IG, FN3
Protein Families:	Druggable Genome

Protein Pathways:

Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Gene Summary:

This gene encodes a member of the type 1 cytokine receptor family. The encoded protein is the ligand-specific component of a tripartite receptor for ciliary neurotrophic factor, which plays a critical role in neuronal cell survival, differentiation and gene expression. Binding of ciliary neurotrophic factor to the encoded protein recruits the transmembrane components of the receptor, gp130 and leukemia inhibitory factor receptor, facilitating signal transduction. Single nucleotide polymorphisms in this gene may be associated with variations in muscle strength, as well as early onset of eating disorders. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2011]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.