

## Product datasheet for **SC100275**

### CNTF Receptor alpha (CNTFR) (NM\_147164) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CNTF Receptor alpha (CNTFR) (NM_147164) 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: >OriGene sequence for NM\_147164 edited  
GAATTCGGCACGAGGGGCGGCGGCGAGCGGAGGCGGCGGCTCCAGCCGGCGCGGCGGAGG  
CTCGGGCGGTGGGATCCGGCGGGCGGTGCTAGCTCCGCGCTCCCTGCCTCGCTCGCTGCCG  
GGGGCGGTGCGAAGGCGGCGGCGGAAGCCCGGGTGGCCGAGGGCGGACTCTAGCCTTG  
TCACCTCATCTTGCCCCCTTGGTTTTGGAAGTCCTGAAGAGTTGGTCTGGAGGAGGAGGA  
GGACATTGATGTGCTTGGTGTGTGGCCAGTGGTGAAGAGATGGCTGCTCCTGTCCCGTGG  
GCCTGCTGTGCTGTGCTTGCCCGCCGCGCCGAGTTGTCTACGCCACAGACACAGTCCA  
CAGGAGGCACCCATGTGCAGTACGAGCGCCTGGGCTCTGACGTGACACTGCCATGTGGG  
ACAGCAAACCTGGGATGCTGCGGTGACGTGGCGGGTAAATGGGACAGACCTGGCCCCCTGAC  
CTGCTCAACGGCTCTCAGCTGGTCTCCATGGCCTGGAACCTGGGCCACAGTGGCCTCTAC  
GCCTGCTTCCACCGTACTCCTGGCACCTGCGCCACCAAGTCTGCTGCATGTGGGCTTG  
CCGCCGCGGGAGCCTGTGCTCAGCTGCCCTCCAACACTACCCCAAGGGCTTCTACTGC  
AGCTGGCATCTGCCACCCACCTACATTCCCAACACCTTCAATGTGACTGTGCTGCAT  
GGCTCCAAAATTATGGTCTGTGAGAAGGACCCAGCCCTCAAGAACCGCTGCCACATTCGC  
TACATGCACCTGTTCTCCACCATCAAGTACAAGTCTCCATAAGTGTGAGCAATGCCCTG  
GGCCACAATGCCACAGCTATCACCTTTGACGAGTTCACCATTTGTGAAGCCTGATCCCTCA  
GAAAATGTGGTAGCCCGGCCAGTGCCAGCAACCCTCGCCGGCTGGAGGTGACGTGGCAG  
ACCCCTCGACCTGGCCTGACCTGAGTCTTTCTCTCAAGTCTTTCTGCGCTACCGA  
CCCCTCATCTGGACAGTGGCAGCATGTGGAGCTGTCCGACGGCACAGCACACACCATC  
ACAGATGCCTACGCCGGGAAGGAGTACATTATCCAGGTGGCAGCCAAGGACAATGAGATT  
GGGACATGGAGTACTGGAGCGTAGCCGCCACGCTACGCCCTGGACTGAGGAACCGCGA  
CACCTCACCGAGGCCAGGCTGCGGAGACCAGCACCAGCACCAGCTCCCTGGCA  
CCCCACCTACCACGAAGATCTGTGACCCTGGGAGCTGGGCAGCGGGGGGACCCTCG  
GCACCCTTCTTGGTCAGGCTCCCATCACTCTGGCCCTGGCTGCCGCTGCCGCCACTGCC  
AGCAGTCTCTTGATCTGAGCCCGCACCCCATGAGGACATGCAGAGCACCTGCAGAGGAG  
CAGGAGGCCGGAGCTGAGCCTGCAGACCCCGTTTCTATTTTGCACACGGGCAGGAGGAC  
CTTTTGCATTCTTTCAGACACAATTTGTGGAGACCCCGCGGGCCCGGGCTGCCGCC  
CCCAGCCTGTGACCAAGCTGGCCCTCCTTCTCCCTCAGGGGAGGTGGGCCATGCAG  
CTAACCACCCACCAAGACCCCTCACCTGGCCCTTGGGCTGGACCTCCAATGCCA  
GCGACTCCAGGAGCCCTTGGGGGACGTGAGGGGAGCCTCTCACATCCGATTTCTCCTCC  
TGCCCCAGCCTCCTGTCTATCCCAGGTCTCTGTTGCCACCATCAGATTATAAGCTCCTG  
ATGCTGGGGGGCCAGCCATCCCCCTCCCCCAGCACCCACAATTTTTCAGTCCCCTCCC  
CTCTGCCCTGTTTTGTATACCCCTCCCCTGACCCTGCTCCTATCCCACAGTATTTAATGC  
CCTGTGCTCCTTCTAGTCTGACTCAATGGTAACTTGCTGTATTTGAATTTTTATAGA  
TGATATACAGGGTGGGGGAGTGGCGGTTTCTATTAAACGTACCATTTTCATGAAAAA  
AAAAAAAAAAAACTCGAC

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_147164 unedited  GTTGCACCAATAGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGCGGCGGC  AGCGGAGGCGGCGGCTCCAGCCGGCGGCGGCGAGGCTCGGCGGTGGGATCCGGCGGGCG  GTGCTAGCTCCGCGCTCCCTGCCTCGCTCGCTGCCGGGGCGGTGCGAAGGCGGCGCGCG  AAGCCCGGTGGCCGAGGGCGGACTTAGCCTGTGCACCTCATCTTCCCCCTTGGTT  TTGGAAGTCTGAAGAGTTGGTCTGGAGGAGGAGGACATTGATGTGCTTGGTGTGTG  GCCAGTGGTGAAGAGATGGCTGCTCCTGTCCCGTGGGCCTGTGTGCTGTGCTTGGCCGC  GCCGCCGAGTTGTCTACGCCAGAGACACAGTCCACAGGAGGCACCCCATGTGCAGTAC  GAGCGCTGGGCTCTGACGTGACTGCCATGTGGACAGCAAAGTGGGATGCTGCGCGG  ACGTGGCGGGTAAATGGGACAGACTGGCCCTGACTGCTCAACGGCTCTCAGCTGGT  CTCCATGGCCTGGAAGTGGGCCACAGTGGCCTCTACGCTGCTTCCACCGTACTCCTGG  CACCTGCGCCACCAAGTCTGCTGCATGTGGGCTTGCCGCGCGGGAGCCTGTGCTCAGC  TGCCGCTCCACACTTACCCCAAGGGCTTCTACTGCAGCTGGCATCTGCCACCCACCTA  CATTCCCAACACCTTCAATGTGACTGTGCTGCATGGCTCCAAAATATGGCCCGTGAGGAA  GACCCANCCTCAATAACCGTTGCACATTCCTACATGCACCTGTTCTCCACCATCAATTA  CAAAGTCTCCATAAGTGTCCAGCATGCCCTGGGCCACATGCCCCAGTTTACCTTTGACG  AGTTCCTTGTGAACCT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_147164 unedited  TTAGCTTGGCCGCGCCGCATCTANAGTCGTTTTTTTTTTTTTTTTTTCATGAAATGGT  GACGTTTAAATGAGAACCCTCCCTCCCTGTATATACATCTATAAAAAATCAA  ATACAGCAAGTTACCATTGAGTCAGACTAGAAGGACTGACAGGGCATTAAATACTGTGG  GATAGGAGCAGGGTCAGGGGAGGGTATACAAAACAGGGCAGAGGGGAGGGGACTGAAAA  TTGTGGGTGCTGGGGGAGGGGATGGCTGNNCCCCCANCNTCACGAGCTTATAATCT  GATGGTGGCAACAGAGACCCTGGGATAGACAGGAGGCTGGGGCAGGAGGAGAAATCGGAT  GTGAGAGGCTCCCTCACGTCCCAAGGGCTCCTGGGAGTCGCTGGCATTGGAGGGTCC  AGCCCAAGGGGCCAGGGTGAAGGGGCTTTGGTGGTGGGCCCTTGCCTGGCCACCTC  CCCTGACGCAGGCAAGATGCCCCACCCGCCATTGACCCCGCGGCGCGCCGACCCG  TCCCTCTCCTTCCCTTCCCTTCCCTTCCCTGTCTCGCGCCCCCTCTGACCGCGC  GTCTCCCTCCCTCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCTCCCT  CGTTTTTCTACCTCCTCTCTTCTTCTCATCAGCCCCCCTCCCGCTCCTCCTT  CTTCTACTCCCCCCCCACAAAGTACCAACGCTCCCGCGGTTTTATCATATTTTTTCC  CATCCTCCCCCTCCCCGCCCTCCGAATCCTTCCCCCGCCCGTCCCCCCCCCCCC  ACCCCTTCTCCCTTCCCCGCTTCTTTTTTCTCTATCTCTGACTCTCGCCCCCTTCT  TGGCTTCCCCCTCCCTCTCTCT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_147164
<b>Insert Size:</b>	2170 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_147164.1</a> , <a href="#">NP_671693.1</a>
<b>RefSeq Size:</b>	2055 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	1271
<b>UniProt ID:</b>	<a href="#">P26992</a>
<b>Cytogenetics:</b>	9p13.3
<b>Domains:</b>	ig, IGc2, IG, FN3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.</p>