

Product datasheet for **SC125788**

Cardiotrophin 1 (CTF1) (NM_001330) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cardiotrophin 1 (CTF1) (NM_001330) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cardiotrophin 1
Synonyms:	CT-1; CT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001330 edited
 GGGGCGTGAAGGGAGCCGGGATCAGCCAGGGGCCAGCATGAGCCGGAGGGAGGGAAGTCT
 GGAAGACCCCCAGACTGATTCTCAGTCTCACTTCTTCCCCTTGGAGGCCAAGATCCG
 TCAGACACACAGCCTTGCACCTCCTCACAAATACGCTGAGCAGCTGCTCCAGGAATA
 TGTGCAGTCCAGGGAGACCCCTTCGGGCTGCCAGCTTCTCGCCGCCGGCTGCCGGT
 GGCCGGCTGAGCGCCCCGGCTCCGAGCCACGCGGGGCTGCCAGTGCACGAGCGGTGCG
 GCTGGACGCGGGCGCTGGCCCGCTGCCCCCGCTGCTGGACGAGTGTGTCCGGCCA
 GGCCGAGCTGAACCCGCGCGCCGCGCTGCTGCGCCGCTGGAGGACGCGCGGCCA
 GGCCCGGGCCCTGGGCGCCGCTGGAGGCCTTCTGGCCGCGTGGGCGCCGCAACCG
 CGGGCCCCGGGCGAGCCCCCGCCACCGCCTCAGCCGCTCCGCCACCGGGTCTT
 CCCCAGCAAGGTGCTGGGGCTCCGCTTTCGCGCTTACCGGAGTGGTGAGCCGCAC
 CGAGGGGACCTGGGCCAGTGTGCCCGGGGCTCGGCCTGAGCGCCGGGGCAGCTC
 GCCCCGCTCCTCCGCTGGGTTCGCTCTCCTTCCGCTTCTTGTCTTCTCTGCCG
 TGTAGGTGTCTGTCTGTCTTGTAGTGTCTCATTGCCTCGGCTTCTTTGCTTTTT
 GTGGGGAGAGGGGAGGGGACGGGCAGGGTCTCTGTGCCAGGCTGGGGTGCAGTGGCG
 CGATCCCAGCACTGCAGCCTCAACCTCCTGGGCTCAAGCCATCCTTCCGCTCAGCTCC
 CAGCAGCTGGGACTACAGGCACGCGCCACCACAGCCGGTAATTTTTTATTTAATTTTT
 TGTAGAGACGAGGTTTCGCCATGTTGCCAGGCTGGTCTTGAACCTCCGGGGCTCAAGCGA
 TCCTCCGCTTACGCTCCCTAAGTGTGGGATTGCAGGCGTGGCCACTTCCAGCCT
 CTCTTTGCTTTCGCTGCCCGTCTCTTAACTCTTGGACCCTCCTCGTGTGCATGGTAAC
 TCCGTCTGAGTCTACATTTTCTGTCTCCCTCCTTCTTGGCCTGCCTCAGTTCCT
 TTGGCTCCCCCTTACCAGCTCTTGGGGTGTCTGTTTTTTCCATCCCCACTTCTCTG
 CCTTCTGTGGCCCTGTGTGAGCACATGTACATCTCAGCCTTATCTCAAGAGGTGAC
 ACCTTCTCTCTTGTCCCATCTGGCCGCTCTCTGTGCTTCCCTGGCCAGGGGCTGCC
 TGCTGGTCTATGGGGGAAGGCTACTCCGATCTCAGCCACCTTCTCAGGCTCACTCC
 ACCTACATCCCCAGTCTGCCACACCCATCCCTTGGGCTCAGCCCTGTCCCTTGTATG
 TCCTCCTTCTCAGCCCTCTGCCCTGTCCCTGCACACCTCCACTGCCTCCAGCAGA
 TCTGTGGAGACAAAACAAGCAACACCTTAAAAGAGTTTTATTTCTGAAAAATAATTAAT
 TTTTGTAAATAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_001330 unedited
 GAGCGGTCGGATTTTGAATACGACTTACTATAGGGCGCCGACGATTCANATCTGGTA
 CCGGTCCGGAATCCCGGGATGGGGCGTGAAGGGAGCCGGATCAGCCAGGGGCCAGCAT
 GAGCCGGAGGGAGGGAAGTCTGGAAGACCCCCAGACTGATTCTCAGTCTCACTTCTTCC
 CCACTTGGAGGCCAAGATCCGTGAGACACACAGCCTTGCACACCTCCTCACAAATACGC
 TGAGCAGTGTCCAGGAATATGTGAGCTCCAGGGAGACCCCTTCGGGCTGCCAGCTT
 CTCGCCGCGCGGCTGCCGGTGGCCGGCTGAGCGCCCCGGCTCCGAGCCACGCGGGGCT
 GCCAGTGCACGAGCGGCTGCGGCTGGACGCGGGCGCTGGCCGCGCTGCCCCGCTGCT
 GGACGAGTGTGTGCGCCGAGGCGGAGCTGAACCCGCGCGCGCCGCTGCTGCGCCG
 CCTGGAGGACGCGGCGGCCAGGCCCGGGCCCTGGGCGCCGCGTGGAGGCTTGTGCGC
 CGCGCTGGGCGCCCAACCGGGGCCCGGGCCGAGCCCCCGCCACCGCTCAGC
 CGCCTCCGCCACCGGGGTCTTCCCGCAAGGTGCTGGGGTCCGCTTTCGCGCTCT
 ACCGCGAGTGGCTGAGCCGACCGAGGGCGACCTTGGCCAGTGTGCCCGGGGCTCGC
 CTGAGCGCGTGTGGCAGCTCGGCCCGTCCCATCCCGTGGGTCCGGCTCTCCCTTCC
 GCTCTTTGGCTTACCCGCCCGTGGTGTCTGTTTGTCTGCTCCCACTGTCTCCATT
 GACTTCGCGCTACATTTGCTCTTTGGGCGAAAAGGGGGGGGACTGGCCAAG

Restriction Sites: Please inquire

ACCN: NM_001330

Insert Size: 1700 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_001330.2 , NP_001321.1
RefSeq Size:	1681 bp
RefSeq ORF:	606 bp
Locus ID:	1489
UniProt ID:	Q16619
Cytogenetics:	16p11.2
Protein Families:	ES Cell Differentiation/IPS, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
Gene Summary:	<p>The protein encoded by this gene is a secreted cytokine that induces cardiac myocyte hypertrophy in vitro. It has been shown to bind and activate the ILST/gp130 receptor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>