

Product datasheet for **SC112417**

CRTC3 (NM_022769) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRTC3 (NM_022769) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRTC3
Synonyms:	TORC-3; TORC3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_022769, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCTCGCCGGGCTCGGGCAGCGCCAACCCGCGGAAGTTCAGTGAGAAGATCGCGCTGCACACGC
AGAGACAGGCCGAGGAGACGCGGGCCTTCGAGCAGCTCATGACCGACCTCACCTGTGCGGGTTCAATT
TCAGAAGCTTCAGCAACTGCGCCTTACACAGTACCATGGAGGATCCTTACCAAATGTGAGCCAGTGC GG
AGCAGTGCCTCAGAGTTTCAGCCGTCATTTACCAAGCTGATAATGTTGCGGGAAACCCGCCATCACGGGC
TGGTGGAGAGGCCATCCAGGAACCGCTTCCACCCCTCCACCGAAGTCTGGGGACAAGCCAGGGCGACA
ATTTGATGGTAGTGCTTTTGGAGCCAATTATTCCTCACAGCCTCTGGATGAGAGTTGGCCAAAGCAGCAG
CCTCCTTGGAAAGACGAAAAGCATCCTGGGTTCCAGGCTGACATCTGCACTTAACAGGACCAATTCTGATT
CTGCTCTTACACGAGTCTCTGAGTACCAAGCCCGAGGCCCTATGGAGGAGGGGGCCAGTGGCCTG
GCCTGCCCCATACATGGGTTTCTGTGATGGTGAGAATAATGGACATGGGGAAGTAGCATCTTTCCCTGGC
CCATTGAAAGAAGAGAATCTGTTAAATGTTCCGAAGCCACTGCCAAAACAAGTGGGAGACCAAGGAGA
TTCAGTCCCTGTCAGGACGCCCTCGATCCTGTGATGTTGGAGGTGGCAATGCTTTTCCACATAATGGTCA
AAACCTAGGCCTCTCACCTTCTTGGGGACCTTGAACACTGGAGGGTTCATGCCAGATCTAACCAACCTC
CACTACTCGACACCCCTGCCAGCCTCCCTGGACACCACCGACCACCACTTGGCAGTATGAGTGTGGGGA
ATAGTGTGAACAACATCCAGCTGCTATGACCCACCTGGGTATAAGAAGCTCCTCTGGTCTCCAGAGTTC
TCGGAGTAACCCCTCCATCCAAGCCAGCCTCAATAAGACTGTGCTTTCTCTTAAATAACCAACCA
CAGACATCTGTTCCCAACGCATCTGCTCTTACCCCTCGCTCCGTCTGTTTTCCCTTAGCAACCCATCTC
TTTCCACCACAAACCTGAGCGGCCCGTCTCGGCGTCGGCAGCCTCCCGTCAGCCCTCTCACGTTTCTCC
TGGCCCTGAAGCAGTCAAGGTTTCAGCAGACAGCTGTCTTCAACCAGCCCACTGGCCCCATCTTACC
TCCCAGATGGTGTCTCAGACCGAAGCCAACTTCTTTCTGCCACAGAAGCTCAAGCCAGGTGTCGC
CGCCACCCCTTACCCTGCACCCAGGAGCTCACCCAGCCCTCCTGCAGCAGCCCGCGCCCTGAGGC
CCCTGCCAGCAGCCCCAGGAGCCTCCTCACTGCCACAGTCAAGTCTTCCAGTCTCCCGGCCAGGGC
TCATCTTTGACCAACTTCTTCCAGATGTGGGTTTGGACAGCAGTCCATGAGGCCAGGCCCTGCCTTTC
CTCAACAGGTGCCTCTGGTGCAACAAGTTCCCGAGAAGTGCAGGACTCTTTTCAATTTGAGACCAAGCCC
GTATTCAACTGCGGGAGTCTCCCGAACCCATCCTGCCAGAAGACTCCAGCACCAGCCTGTTCAAAGAC
CTCAACAGTGCCTGGCAGGCCCTGCCTGAGGTGAGCCTGAACGTGGACACTCCATTTCCACTGGAAGAGG
AGCTGCAGATTGAACCCCTGAGCCTGGACGGACTCAACATGTTAAGTGACTCCAGCATGGCCTGCTGGA
CCCCTCTGTTGAAGAGACGTTTCGAGCTGACAGACTGTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022769 unedited

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AGCATTTTGTAAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGCAAAATGCCT
TAGAATTTTCAAATTTCTATTTCAAATCATAAAGAGTTACTGATTCATAAATTCATGAAA
ATGAAAGTACCACATAAAAGTGTTCCTTTTTTCTTTTTCTTTTCCCGCTAGGTTTCTG
TGATGGTGAGAATAATGGACATGGGGAAGTAGCATCTTTCCCTGGCCATTGAAAGAAGA
GAATCTGTAAATGTTCCGAAGCCACTGCCAAAACAAGTGGGAGACCAAGGAGATTCA
GTCCCTGTGAGGACGCCCTCGATCCTGTGATGTTGGAGGTGGCAATGCTTTTCCACATAA
TGGTCAAAACCTAGGCCTCTCACCTTCTTGGGGACCTTGAACACTGGAGGGTCAATTGCC
AGATCTAACCAACCTCCACTACTCGACACCCCTGCCAGCCTCCCTGGACACCACCGACCA
CCACTTTGGCAGTATGAGTGTGGGAATAGTGTGAACAACATCCCAGCTGCTATGACCCA
CCTGGGTATAAGAAGCTCCTCTGGTCTCCAGAGTTCTCGGAGTAACCCCTCCATCCAAGC
CAGCTCAATAAGACTGTGCTTTCTCTTCTTAAATAACCAACCCACAGACATCTGTTCC
CAACGCATCTGCTTTCACCCCTCGCTCCGTCTGTTTTCCCTTAGCAACCCATCTCTTTC
CACCACAAACCTGAGCGGCCCGTCTCGGCGTCGGCAGCCTCCCGTCAGCCCTCTCACGCT
NTCTCCTGGCCCTGACCAATCAAAGTTTCAGCAGACAGCTGTCTTACCAGCCACTGGC
CCCTATCTACTNCCANATGTGTCTCAGACCGAGCCACTTCTTCTGCCACAGAGCTCA
GCCAGTGTNNNNCGCACCCCTTACCCTGACCCAGAATTTACCACCCCTTTGAAGA
    
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Restriction Sites:

NotI-NotI

ACCN:	NM_022769
Insert Size:	4200 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_022769.1 , NP_073606.1
RefSeq Size:	5267 bp
RefSeq ORF:	960 bp
Locus ID:	64784
UniProt ID:	Q6UUV7
Cytogenetics:	15q26.1
Gene Summary:	<p>This gene is a member of the CREB regulated transcription coactivator gene family. This family regulates CREB-dependent gene transcription in a phosphorylation-independent manner and may be selective for cAMP-responsive genes. The protein encoded by this gene may induce mitochondrial biogenesis and attenuate catecholamine signaling in adipose tissue. A translocation event between this gene and Notch coactivator mastermind-like gene 2, which results in a fusion protein, has been reported in mucoepidermoid carcinomas. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). 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.</p>