

Product datasheet for **SC311401**

CRTC3 (NM_001042574) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CRTC3 (NM_001042574) Human Untagged Clone
Tag:	Tag Free
Symbol:	CRTC3
Synonyms:	TORC-3; TORC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC311401 representing NM_001042574.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCGCCTCGCCGGGCTCGGGCAGCGCAACCCGCGGAAGTTCAGTGAGAAGATCGCGCTGCACACG
CAGAGACAGGCCGAGGAGACGCGGGCCTTCGAGCAGCTCATGACCGACCTCACCTGTGCGGGTTCAA
TTTCAGAAAGCTTCAGCAACTGCGCCTTACACAGTACCATGGAGGATCCTTACCAATGTGAGCCAGCTG
CGGAGCAGTGCGTCAGAGTTTCAGCCGTATTTACCAAGCTGATAATGTTGCGGGAACCCGCCATCAC
GGGCTGTTGGAGAGGCCATCCAGGAACCGCTTCCACCCCTCCACCGAAGGTCTGGGGACAAGCCAGGG
CGACAATTTGATGGTAGTGCTTTTGGAGCAATTATTCCTCACAGCCTCTGGATGAGAGTTGGCCAAGG
CAGCAGCCTCCTTGAAAGACGAAAAGCATCCTGGGTTCAAGGCTGACATCTGCACTTAACAGGACCAAT
TCTGATTCTGCTTTCACACGAGTGCTCTGAGTACCAAGCCCAGGACCCCTATGGAGGAGGGGGCCAG
TCGGCCTGGCCTGCCCATACATGGGTTTCTGTATGGTGAGAATAATGGACATGGGGAAGTAGCATCT
TTCCCTGGCCATTGAAAGAAGAGAATCTGTTAAATGTTCCGAAGCCACTGCCAAAACAAGTGTGGGAG
ACCAAGGAGATTAGTCCCTGTGAGGACGCCCTCGATCCTGTGATGTTGGAGGTGCAATGCTTTTCCA
CATAATGGTCAAAACCTAGGCCTCTCACCTTCTTGGGGACCTTGAACACTGGAGGGTCATTGCCAGAT
CTAACCAACCTCCACTACTCGACACCCCTGCCAGCCTCCCTGGACACCACCGACCACTTTGGCAGT
ATGAGTGTGGGAATAGTGTGAACAACATCCAGCTGCTATGACCCACCTGGGTATAAGAAGCTCCTCT
GGTCTCCAGAGTTCTCGGAGTAACCCCTCCATCCAAGCCACGCTCAATAAGACTGTGCTTTCTCTCTCC
TTAAATAACCCACACAGACATCTGTTCCCAACGCATCTGCTCTTACCCCTCGCTCCGTCTGTTTTCC
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CCTCTCAGCTTTCTCCTGGCCCTGAAGCACATCAAGTTTCAGCAGACAGCTGTCTTCAACAGGCCA
CTGGCCCATATCTACCTCCAGATGGTGTCTCAGACCGAAGCCAACCTTCTTTCTGCCACAGAA
GCTCAAGCCAGGTGTCGCCGCCACCCCTTACCTGCACCCAGGAGCTCACCCAGCCCTCCTGCAG
CAGCCCGCGCCCTGAGGCCCTGCCAGCAGCCCGAGCAGCCTCCTCACTGCCACAGTCAGACTTT
CAGCTTCTCCCGCCAGGGCTCATCTTGACCAACTTCTTCCAGATGTGGGTTTGGACAGCAGTCC
ATGAGGCCAGGCCCTGCCTTCTCAACAGGTGCCTCTGGTGCAACAAGTTCCCGAGAAGTGCAGGAC
TCTTTTCATTTGAGACCAAGCCGATTCCAAGTGCAGGAGTCTCCGAACACCATCCTGCCAGACTCC
AGCACCAGCCTGTTCAAAGACCTCAACAGTGCCTGGCAGGCCTGCCTGAGGTGAGCCTGAACGTGGAC
ACTCCATTTCACTGGAAGAGGAGCTGCAGATTGAACCCCTGAGCCTGGACGGACTCAACATGTTAAGT
GACTCCAGCATGGGCCTGCTGGACCCCTGTTGAAGAGACGTTTCGAGCTGACAGACTGTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_001042574

Insert Size: 1857 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: [NM_001042574.2](#)

RefSeq Size: 5264 bp

RefSeq ORF: 1857 bp

Locus ID: 64784

UniProt ID: [Q6UUV7](#)

Cytogenetics: 15q26.1

MW: 66.8 kDa

Gene Summary: 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]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' terminal exon compared to variant 1. It encodes isoform b which is shorter than 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.