

Product datasheet for **SC108027**

CREB3L1 (NM_052854) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREB3L1 (NM_052854) Human Untagged Clone
Tag:	Tag Free
Symbol:	CREB3L1
Synonyms:	OASIS; OI16
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_052854, the custom clone sequence may differ by one or more nucleotides

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ATGGACGCCGCTTGGAAACCCTCCCGGCCGACAGGCTGTCCCGGATCCAGCTTCTGGACTTGGGG
ATCTGAACGAGTCGGACTTCTCAACAATGCGCACTTCTCTGAGCACCTGGACCCTTACGGAGAACAT
GGAGGACTTCTCAATGACCTGTTCAAGCAGCTTCTTTGATGACCTGTGCTGGATGAGAAGAGCCCTCTA
TTGGACATGGAACCTGGACTCCCTACGCCAGGCATCCAGGCGGAGCACAGCTACTCCCTGAGCGGGGACT
CAGCGCCCCAGAGCCCCCTTGTGCCATCAAGATGGAGGACACCACCAAGATGCAGAGCATGGAGCATG
GGCGCTGGGACACAACTGTGCTCCATCATGGTGAAGCAGGAGCAGAGCCCGGAGCTGCCGTGGACCTT
CTGGCTGCCCCCTCGGCCATGGCTGCCGCGCCGCCATGGCCACCACCCCGCTGCTGGGCTCAGCCCT
TGTCCAGGCTGCCATCCCCACCAGGCCCGGGAGAGATGACTCAGCTGCCAGTGATCAAAGCAGAGCC
TCTGGAGGTGAACAGTTCTCAAAGTGACACCGGAGGACCTGGTGCAGATGCCTCCGACGCCCCCAGC
AGCCATGGCAGTGACAGCGACGGCTCCCAGAGTCCCGCTCTCTGCCCCCTCCAGCCCTGTCAGGCCCA
TGGCGCGCTCCTCCACGGCCATCTCCACTCCCCTCCTCACTGCCCTCACAAATTACAGGGGACATC
AGGGCCACTGCTCCTGACAGAGGAGGAGAAGCGGACCCTGATTGCTGAGGGCTACCCCATCCCCACAAA
CTCCCCCTCACAAAGCCGAGGAGAAGGCCCTTGAAGAGAGTCCGGAGGAAAATCAAGAACAAGATCTCAG
CCCAGGAGAGCCGTGTAAGAAGAAGGAGTATGTGGAGTGTCTAGAAAAGAAGGTGGAGACATTTACATC
TGAGAACAATGAACTGTGAAGAAGGTGGAGACCTGGAGAATGCCAACAGGACCCTGCTCCAGCAGCTG
CAGAACTCCAGACTCTGGTCACCAACAAGATCTCCAGACCTTACAAGATGGCCGCCACCCAGACTGGGA
CCTGCCTCATGGTGGCAGCCTTGTGCTTGTCTGGTGTGGGCTCCCTCGTGCCTGCCTTCCCGAGTT
CTCTCCCGGCTCCAGACTGTGAAGGAAGACCCCTGGCCGACAGCGGCTTACACGGCCAGCCCTGCTGC
CCCTCCCGAAGCCTCCTATTCTACGATGACGGGGCAGGCTTATGGGAAGATGGCCGACACCCCTGCTGC
CCATGGAGCCCCCAGATGGCTGGGAAATCAACCCGCGGGGGCCGGCAGAGCAGCGCCCCGGGACCCT
GCAGCATGATCACCTGGACAGCACCACAGACCACCAAGTACCTGAGTGAGGCTGGCCTAAAGACGGT
GAAAACGGCACCAGCCCCGACTTCTCCACTCCAAGGAGTGGTCCACGACAGGGATCTGGGCCCAACA
CCACCATCAAATCTCCTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_052854 unedited

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TTCAAATTTTGAATACGACTACTATTAGGGCGGCCGGAATTCGCACGAGGCAGCGCT
CAGGCAGGAGCTCTGGACTGGGCGCGCCGCCCTGGAGTGAGGGAAGCCAGTGGAAG
GGGGTCCCGGGAGCCGGCTGCGATGGACGCCGTCTTGAACCCCTTCCCGGCCGACAGGCT
GTTCCCGGATCCAGCTTCTGGACTTGGGGGATCTGAACGAGTCGGACTTCTCAACA
TGCGCACTTCTCTGAGCACCTGGACCCTTACGGAGAACATGGAGGACTTCTCAATGA
CCTGTTTACGACAGTCTTTGATGACCCTGTGCTGGATGAGAAGAGCCCTTATTGGACAT
GGAAGTGGACTCCCCTACGCCAGGCATCCAGGCGGAGCACAGCTACTCCCTGAGCGGCGA
CTCAGCGCCCCAGAGCCCCCTTGTGCCATCAAGATGGAGGACACCACCAAGATGCAGA
GCATGGAGCATGGGCGCTGGGACACAACTGTGCTCCATCATGGTGAAGCAGGAGCAGAG
CCCGGAGCTGCCGTGGACCCTCTGGCTGCCCCCTCGGCCATGGCTGCCGCGCCGCCAT
GGCCACCACCCCGCTGCTGGGCTCAGCCCTTGTCCAGGCTGCCATCCCCACCAGGC
CCCGGGAGAGATGACTCAGCTGCCAGTGATCAAAGCAGAGCCTCTGGAGGTGAACAGTT
CCTCAAAGTGACACCGNGAGACCTGGTGCAGATGCTTCCGACGCCCCCAGCAGCCATGG
CAGTGACAGCGACGGCTCCCAGAGTCCCGCTTCTCTGCCCCCTNACAGCCCTGTCAGGC
CCATGGCGCGCTNCTNACGGNATNNTCCACTCCCCTCCTCACTGNCNTACAAANATA
CANGNGACATCAGGNCCACTGCTNCTGACCNAGAGAGAAAGCGACCTGATGCTGAGGCT
ACCCATCCACAC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_052854 unedited NNCCGTTCAACTATGNAACCGCGCCGCATNCTANNGATCGATTTTTTTTTTTTTTTTTTTTT GATGCTGCATCTTTTTTTTTTTTTTTTTTTGGTTTTGCTTTCTTAAAGCTGTGCTGAGCTGA TGAAAAAGCAGTTTGGCAATTA AAAAGGCCAGCGGCTTGGGCAGCAGCAGGGGGGTGC CAGGTGAGGGTCAAGTAGTCCCTCTTCTGGGCCAGGGAGCAGCAAAGCCCGCACTAAC TTCATAAAATATAAAACAAGGGAGGGGCGAAGGGAAAAGGAGATTTGTAATAACAATA TCTTAAGGGATTGGCAATAATAAAAAAATAGGTTTATTACAAACAATTTCTGTTCT TGGTCTCTGTACAGTGGGGGTGGGGTAAGGGGTGTCTGTGAGTGGGGTGCCTTGTGTG CTGTTTGGGTGCAAGTGTGGGGGCAAGGAGGCAGTGGTCGTGTTGGGCATATGAAAGAGG AGGTGGGGTACCCAGTGTGTTGTCTGAGAAGGACGGATGGATGTTGGTGGGAAGGA GAATGAGAACAGAGTGGTCGGCCCAAGGAAGAGTCCAAATGTCAGGGGCAAGGAAGGGC TGGGAAGTGGAGCCTTTCTCCTGGAATGGGAAGCTCCAGGAGGCAGGGGCACGAGGCGG ATCCGGTTAGTGAGCAAGAAGTCTCTTCTGGGTACCAGGGTCCGCTCTATGCTCTGG GTCTTGGCATGGCCTAAGAGAGTTTGTATGGGGGTGTTGGGGCCAGATCCCTGCTCTGG AACCACTCCTTGAATGGGAGAAGTCCGGGCTGTGCCGTTCCACCGTCTTAGGCCAAG GCTCACTCAGGTAAGTGGGGGTCTGGGGGTGCTGTCCCAGTGAACATGCTGCCAGTTGTC CCCGGGGCCCCTGCTTTTGCCGA
Restriction Sites:	NotI-NotI
ACCN:	NM_052854
Insert Size:	2500 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:	<u>NM_052854.1</u> , <u>NP_443086.1</u>
RefSeq Size:	2741 bp
RefSeq ORF:	1560 bp
Locus ID:	90993
UniProt ID:	<u>Q96BA8</u>
Cytogenetics:	11p11.2
Domains:	BRLZ
Protein Families:	Transcription Factors

Protein Pathways: Huntington's disease, Melanogenesis, Prostate cancer

Gene Summary: The protein encoded by this gene is normally found in the membrane of the endoplasmic reticulum (ER). However, upon stress to the ER, the encoded protein is cleaved and the released cytoplasmic transcription factor domain translocates to the nucleus. There it activates the transcription of target genes by binding to box-B elements. [provided by RefSeq, Jun 2013]