

## Product datasheet for **RG204968**

### **CREB3L1 (NM\_052854) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CREB3L1 (NM_052854) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CREB3L1
Synonyms:	OASIS; OI16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG204968 representing NM\_052854  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACGCGCTTGGAAACCCTCCCGGCCGACAGGCTGTCCCGGATCCAGCTTCTGGACTTGGGG  
 ATCTGAACGAGTCGGACTTCTCAACAATGCGCACTTCTCTGAGCACCTGGACCCTTACGGAGAACAT  
 GGAGGACTTCTCAATGACCTGTTCAGCAGCTTCTTTGATGACCTGTGCTGGATGAGAAGGCCCTCTA  
 TTGGACATGGAAGTGGACTCCCCACGCCAGGCATCCAGGCGGAGCACAGCTACTCCCTGAGCGCGGACT  
 CAGCGCCCCAGAGCCCCCTGTGCCATCAAGATGGAGGACACCACCAAGATGCAGAGCATGGAGCATG  
 GGCCTGGGACACAACTGTGCTCCATCATGGTGAAGCAGGAGCAGAGCCCGGAGCTGCCCGTGGACCT  
 CTGGCTGCCCCCTCGCCATGGCTGCCGCGGCCATGGCCACCACCCGCTGCTGGGCCTCAGCCCT  
 TGTCCAGGCTGCCATCCCCACCAGGCCCGGGAGAGATGACTCAGCTGCCAGTGATCAAAGCAGAGCC  
 TCTGGAGTGAACCACTTCTCAAAGTACACCGGAGGACCTGGTGCAGATGCCTCCGACGCCCCCAGC  
 AGCCATGGCAGTGACAGCGACGGCTCCCAGAGTCCCGCTCTCTGCCCCCTCCAGCCCTGTCAGGCCCA  
 TGGCGCGCTCCTCCACGGCCATCTCCACCTCCCCACTCCTCACTGCCCTCACAATTACAGGGGACATC  
 AGGGCCACTGCTCCTGACAGAGGAGGAGAAGCGGACCCTGATTGCTGAGGGCTACCCCATCCCCACAAA  
 CTCCCCCTCACAAAGCCGAGGAGAAGGCTTGAAGAGAGTCCGGAGGAAAATCAAGAACAAGATCTCAG  
 CCCAGGAGAGCCGTCGTAAGAAGAAGGAGTATGTGGAGTGTCTAGAAAAGAAGGTGGAGACATTTACATC  
 TGAGAACAATGAAGTGTGAAGAAGGTGGAGACCTGGAGAATGCCAACAGGACCCTGCTCCAGCAGCTG  
 CAGAAACTCCAGACTCTGGTACCAACAAGATCTCCAGACCTACAAGATGGCCGCCACCCAGACTGGGA  
 CCTGCTCATGGTGGCAGCCTTGTCTTGTCTGGTGGCTCCCTCGTGCCTTCCCGAGTT  
 CTCTCCGGCTCCAGACTGTGAAGGAAGACCCCTGGCCGAGACGGCTCTACACGGCCAGCCAGATG  
 CCCTCCGAAGCCTCCTATTCTACGATGACGGGCGAGGCTTATGGGAAGATGGCCGAGCACCCTGCTGC  
 CCATGGAGCCCCAGATGGCTGGGAAATCAACCCGGGGGCGGCGAGAGCAGCGCCCCGGGACCCT  
 GCAGCATGATCACCTGGACAGCACCCACGAGACCACCAAGTACCTGAGTGAGGCTGGCCTAAAGACGGT  
 GGAAACGGCACCAGCCCCGACTTCTCCACTCAAAGGAGTGGTCCACGACAGGGATCTGGGCCCAACA  
 CCACCATCAAACCTCTCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG204968 representing NM\_052854  
 Red=Cloning site Green=Tags(s)

MDAVLEPFPADRLFPGSSFLDLGDLNESDFLNNAHFPEHLDFHTENMEDFSNDLFSFFDPPVLDEKSPL  
 LDMELDSPTPGIQAEHSYSLSGDSAPQSPLVPIKMEDTTQDAEHGAWALGHKLCSIMVKQEQSPELVPDP  
 LAAPSAMAAAAAMATPLLGLSPLSRLPIPHQAPGEMTQLPVIKAEPLVNQFLKVTPEDLVQMPPTPPS  
 SHGSDSDGSQSPRSLPPSSPVRPMARSSTAISTSPLLTAPHKLQGTSGPLLLTEEEKRTLIAEGYIPTK  
 LPLTKAEKALKRVRRIKNIKISAEQSRKKKEYVECLEKKVETFTSENNELWKKVETLENANRLLQQL  
 QKLQTLVTKNISRPYKMAATQTGTCLMVAALCFVLVLGSLVPCLPEFSSGSQTVKEDPLAADGVYASQM  
 PSRSLLFYDDGAGLWEDGRSTLLPMEPPDGWEINPGGPAEQRRDHLQHDHLDSTHETTKYLSEAWPKDG  
 NGTSPDFSHSKEWFHDRDLGPNTTIKLS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_052854
<b>ORF Size:</b>	1557 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_052854.4</a>
<b>RefSeq Size:</b>	2702 bp
<b>RefSeq ORF:</b>	1560 bp
<b>Locus ID:</b>	90993
<b>UniProt ID:</b>	<a href="#">Q96BA8</a>
<b>Cytogenetics:</b>	11p11.2
<b>Domains:</b>	BRLZ
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Huntington's disease, Melanogenesis, Prostate cancer
<b>Gene Summary:</b>	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]