

## Product datasheet for **SC333179**

### CREB3L3 (NM\_001271996) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CREB3L3 (NM\_001271996) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CREB3L3  
**Synonyms:** CREB-H; CREBH; HYST1481; HYTG2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333179 representing NM\_001271996.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAATACGGATTTAGCTGCTGGAAGATGGCTTCTGCTGCCTGCCTCCATGGACCCATCGACAGCTTT
GAGCTCCTGGATCCTCTTTGACCGGCAGGACGGCATCCTGAGACACGTGGAGCTGGGCGAGGGCTGG
GGTCACGTCAAGGACCAGCAGGTCTGCCAAACCCGACTCTGACGACTTCTCAGCTCCATCCTGGGC
TCTGGAGACTCACTGCCAGCTCCCACTCTGGTCCCCGAAGGCAGTGATAGTGCATCTCCGAAGAC
CTCCCCCTCGACCCCGAGACACCCCTCCACGCAGCGGACCAGCCACCTCCCCCGCGGCTGCCATCCT
GCCAGCTGGCAAGGGGCCCTGCCTCTCCTATCATCCTGGCAACTCTTGCTCCACCACAACCCAGGG
CCAGTGATCCAAGTACCTGAAGCCTCTGTGACCATAGACCTGGAATGTGGAGCCAGGAGGAAGGATC
TGTGCTGAGAAGCCGGCTGATCCGGTGGACCTGTCCCCACGATGCAATCTCACCGTGAAAGACCTCCTC
CTTTCCGGCAGCAGTGGGGACCTGCATCACCTGGGGGCCCTCTACCTCCTGCGACCTGGGGCTGGGCAC
TGTGAGGAGCTGGTGCTCACCGAGGATGAGAAGAAGCTGCTGGCTAAAGAAGGCATCACCTGCCCACT
CAGTGCCCTCACTAAGTACGAGGAGCGAGTGTGAAAAAATCCGCCGAAAAATCCGGAACAAGCAG
TCGGCGCAAGAAAGCAGGAAGAAGAAGAAGGAATATATCGATGGCCTGGAGACTCGGATGTCAGCTTGC
AACTGAAGAAACTCCAGGCCATTGTGGTGCAGTCCACCAGCAAGTCAGCCAGACAGGCACCTGTGTC
GCAGTCTGTGCTGTCTTTGCCCTCATCATCCTCCCCCTCCATCAGCCCTTTTGCCCCAACAAAACC
GAGAGCCCTGGGACTTTGCGCCTGTACGAGTGTCTCCAGAACTTTGCAACGATGCTGCCTCCCGC
GTGGCTGCTGATGCTGTGCCAGGCTCCGAGGCCAGGACCCGACCCGAGGCTGACACAACCCGAGAA
GAGTCTCCAGGAAGCCCGGGCAGACTGGGGCTTCCAGGACACCGGAACCTGACCAATTCGACGGAG
GAGCTGGACAACGCCACCCTGGTCTGAGGAATGCAACAGAGGGGCTGGGCCAGTGCCTGCTGGAC
TGGGTGGCGCTGGGCCGAGCACTGGCTCAGGACGTGCAGGGCTGGAGGCGCGGGAGACGAGCTGTGA
  
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**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001271996  
**Insert Size:** 1380 bp



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<b>OTI Disclaimer:</b>	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).
<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_001271996.1</a>
<b>RefSeq Size:</b>	2618 bp
<b>RefSeq ORF:</b>	1380 bp
<b>Locus ID:</b>	84699
<b>UniProt ID:</b>	<a href="#">Q68CJ9</a>
<b>Cytogenetics:</b>	19p13.3
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Huntington's disease, Melanogenesis, Prostate cancer
<b>MW:</b>	48.8 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the basic-leucine zipper family and the AMP-dependent transcription factor family. The encoded protein is localized to the endoplasmic reticulum and acts as a transcription factor activated by cyclic AMP stimulation. The encoded protein binds the cyclic AMP response element (CRE) and the box-B element and has been linked to acute inflammatory response, hepatocellular carcinoma, triglyceride metabolism, and hepcidin expression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the coding region, compared to variant 1. The encoded isoform (c) is shorter than isoform a.</p>