

Product datasheet for **SC305489**

CREB3L3 (NM_032607) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CREB3L3 (NM_032607) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CREB3L3 |
| Synonyms: | CREB-H; CREBH; HYST1481; HYTG2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_032607, the custom clone sequence may differ by one or more nucleotides |

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ATGAATACGGATTTAGCTGCTGGAAGATGGCTTCTGCTGCCTGCCATGGACCCCATC
GACAGCTTTGAGCTCCTGGATCTCCTGTTTGACCGGCAGGACGGCATCCTGAGACACGTG
GAGCTGGGCGAGGGCTGGGGTCAAGGACCAAGCAGGTCCTGCCAAACCCCGACTCT
GACGACTTCTCAGCTCCATCCTGGGCTCTGGAGACTCACTGCCAGCTCCCACTCTGG
TCCCCGAAGGCAGTGATAGTGGCATCTCCGAAGACCTCCCTCCGACCCCAAGGACACC
CCTCCACGCAGCGGACCAGCCACCTCCCCGCGGGCTGCCATCCTGCCAGCCTGGCAAG
GGGCCCTGCCTCCTATCATCCTGGCAACTTTGCTCCACCACAACCCAGGGCCAGTG
ATCCAAGTACCTGAAGCCTCTGTGACCATAGACCTGGAAATGTGGAGCCCAGGAGGAAG
ATCTGTGCTGAGAAGCCGGCTGATCCGGTGGACCTGTCCCACGATGCAATCTCACCGTG
AAAGACCTCCTCCTTTCCGGCAGCAGTGGGGACCTGCAACAGCATCACCTGGGGGCTCC
TACCTCCTGCGACCTGGGGCTGGGCACTGTGAGGAGCTGGTGCTCACCGAGGATGAGAAG
AAGCTGCTGGCTAAAGAAGGCATCACCTGCCACTCAGCTGCCCTCACTAAGTACGAG
GAGCGAGTGCTGAAAAAATCCGCCGAAAAATCCGGAACAAGCAGTCGGCGCAAGAAAGC
AGGAAGAAGAAGAAGGAATATATCGATGGCCTGGAGACTCGGATGTCAGCTTGCAGTCTG
CAGAATCAGGAGTTACAGAGGAAAGTCTTGCATCTCGAGAAGCAAAACCTGTCCCTTTG
GAGCAACTGAAGAACTCCAGGCCATTGTGGTGCAGTCCACCAGCAAGTCAGCCCAGACA
GGCACCTGTGTCGAGTCTGTTGCTGTCCTTTGCCCTCATCATCCTCCCTCCATCAGC
CCTTTTGGCCCCAACAAAACCGAGAGCCCTGGGGACTTTGCGCCTGTACGAGTGTCTCC
AGAACCTTTGCACAAACGATGCTGCCTCCCGCGTGGCTGCTGATGCTGTGCCAGGCTCCGAG
GCCCCAGGACCCGACCCGAGGCTGACACAACCCGAGAAGAGTCTCCAGGAAGCCCGGG
GCAGACTGGGGCTTCCAGGACACCGCAACCTGACCAATTCGACGGAGGAGCTGGACAAC
GCCACCCTGGTCTGAGGAATGCAACAGAGGGGCTGGGCCAGGTGCGCCTGCTGGACTGG
GTGGCGCCTGGGCCGAGCACTGGCTCAGGACGTGCAGGGCTGGAGGCGGCGGGAGACGAG
CTGTGA

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| Restriction Sites: | Please inquire |
| ACCN: | NM_032607 |
| 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: | <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_032607.1 , NP_115996.1 |
| RefSeq Size: | 2586 bp |
| RefSeq ORF: | 1386 bp |
| Locus ID: | 84699 |
| UniProt ID: | Q68CJ9 |
| Cytogenetics: | 19p13.3 |
| Protein Families: | Transcription Factors |
| Protein Pathways: | Huntington's disease, Melanogenesis, Prostate cancer |
| Gene Summary: | <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 (1) represents the longest transcript and encodes the longest isoform (a).</p> |