OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC232519

CREB3L3 (NM_001271997) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREB3L3 (NM_001271997) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CREB3L3
Synonyms:	CREB-H; CREBH; HYST1481; HYTG2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232519 representing NM_001271997 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAATACGGATTTAGCTGCTGGAAAGATGGCTTCTGCTGCCTGCTCCATGGACCCCATCGACAGCTTTG AGCTCCTGGATCTCCTGTTTGACCGGCAGGACGGCATCCTGAGACACGTGGAGCTGGGCGAGGGCTGGGG TCACGTCAAGGACCAGCAGGTCCTGCCAAACCCCGACTCTGACGACTTCCTCAGCTCCATCCTGGGCTCT GGAGACTCACTGCCCAGCTCCCCACTCTGGTCCCCCGAAGGCAGTGATAGTGGCATCTCCGAAGACCTCC CCTCCGACCCCCAGGACACCCCTCCACGCAGCGGACCAGCCACCTCCCCCGCCGGCTGCCATCCTGCCCA GCCTGGCAAGGGGCCCTGCCTCTCCTATCATCCTGGCAACTCTTGCTCCACCACAACCCCAGGGCCAGTG ATCCAAGTACCTGAAGCCTCTGTGACCATAGACCTGGAAATGTGGAGCCCAGGAGGAAGGATCTGTGCTG AGAAGCCGGCTGATCCGGTGGACCTGTCCCCACGATGCAATCTCACCGTGAAAGACCTCCTCCTTTCGGG CAGCAGTGGGGACCTGCAACAGCATCACCTGGGGGCCTCCTACCTCCTGCGACCTGGGGCTGGGCACTGT CAGGAGCTGGTGCTCACCGAGGATGAGAAGAAGCTGCTGGCTAAAGAAGGCATCACCCTGCCCACTCAGC TGCCCCTCACTAAGGATGTCAGCTTGCACTGCTCAGAATCAGGAGTTACAGAGGAAAGTCTTGCATCTCG AGAAGCAAAACCTGTCCCTCTTGGAGCAACTGAAGAAACTCCAGGCCATTGTGGTGCAGTCCACCAGCAA GTCAGCCCAGACAGGCACCTGTGTCGCAGTCCTGTTGCTGTCCTTTGCCCTCATCATCCTCCCCTCCATC AGCCCTTTTGGCCCCAACAAAACCGAGAGCCCTGGGGACTTTGCGCCTGTACGAGTGTTCTCCAGAACTT TGCACAACGATGCTGCCTCCCGCGTGGCTGC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

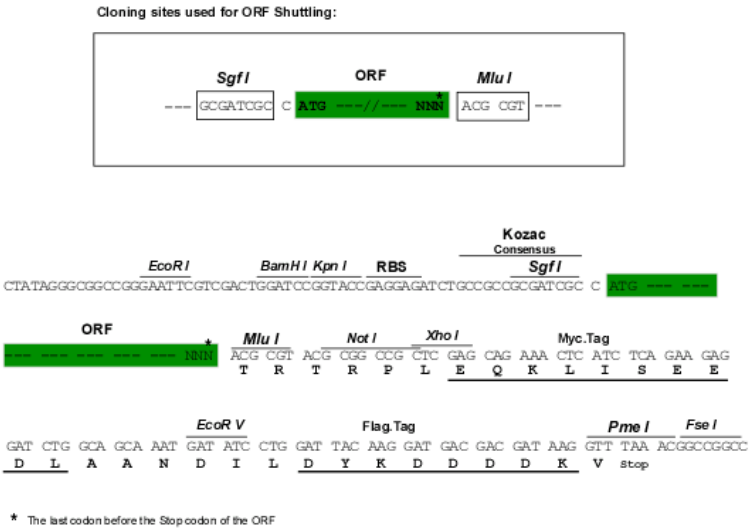
>RC232519 representing NM_001271997
Red=Cloning site Green=Tags(s)

MNTDLAAGKMASAACSMDPIDSFELLDLLFDRQDGILRHVELGEGWGHVKDQQVLPNPDSDDFLSSILGS
GDSLPSSPLWSPEGSDSGISEDLPSDPQDTPPRSGPATSPAGCHPAQPGKGPCLSYHPGNSCSTTTPGPV
IQVPEASVTIDLEMWSPGGRICAEKPADPVDLSPRCNLTVKDLLLSGSSGDLQQHHLGASYLLRPGAGHC
QELVLTEDEKKLLAKEGITLPTQLPLTKDVSLHCSESGVTEESLASREAKPVPLGATEETPGHCGAVHQQ
VSPDRHLCRSPVAVLCPHHPPLHQPFWPQQNREPWGLCACTSVLQNFAQRCCLPRGC

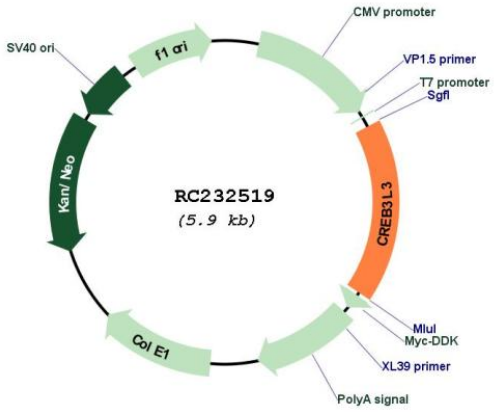
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271997

ORF Size: 1011 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001271997.2
RefSeq Size:	2517 bp
RefSeq ORF:	1014 bp
Locus ID:	84699
UniProt ID:	Q68CJ9
Cytogenetics:	19p13.3
Protein Families:	Transcription Factors
Protein Pathways:	Huntington's disease, Melanogenesis, Prostate cancer
MW:	36.3 kDa
Gene Summary:	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]