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Product datasheet for RC234165

CREB3L3 (NM_001271995) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CREB3L3 (NM_001271995) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CREB3L3
Synonyms:	CREB-H; CREBH; HYST1481; HYTG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC234165 representing NM_001271995
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATACGGATTTAGCTGCTGGAAAGATGGCTTCTGCTGCCTGCTCCATGGACCCCATCGACAGCTTTG
AGCTCCTGGATCTCCTGTTTGACCGGCAGGACGGCATCCTGAGACACGTGGAGCTGGGCGAGGGCTGGGG
TCACGTCAAGGACCAGGTCCTGCCAAACCCCGACTCTGACGACTTCCTCAGCTCCATCCTGGGCTCTGGA
GACTCACTGCCCAGCTCCCCACTCTGGTCCCCCGAAGGCAGTGATAGTGGCATCTCCGAAGACCTCCCCT
CCGACCCCCAGGACACCCCTCCACGCAGCGGACCAGCCACCTCCCCCGCCGGCTGCCATCCTGCCCAGCC
TGGCAAGGGGCCCTGCCTCTCCTATCATCCTGGCAACTCTTGCTCCACCACAACCCCAGGGCCAGTGATC
CAAGTACCTGAAGCCTCTGTGACCATAGACCTGGAAATGTGGAGCCCAGGAGGAAGGATCTGTGCTGAGA
AGCCGGCTGATCCGGTGGACCTGTCCCCACGATGCAATCTCACCGTGAAAGACCTCCTCCTTTCGGGCAG
CAGTGGGGACCTGCAACAGCATCACCTGGGGGCCTCCTACCTCCTGCGACCTGGGGCTGGGCACTGTCAG
GAGCTGGTGCTCACCGAGGATGAGAAGAAGCTGCTGGCTAAAGAAGGCATCACCCTGCCCACTCAGCTGC
CCCTCACTAAGTACGAGGAGCGAGTGCTGAAAAAAATCCGCCGGAAAATCCGGAACAAGCAGTCGGCGCA
AGAAAGCAGGAAGAAGAAGAAGGAATATATCGATGGCCTGGAGACTCGGATGTCAGCTTGCACTGCTCAG
AATCAGGAGTTACAGAGGAAAGTCTTGCATCTCGAGAAGCAAAACCTGTCCCTCTTGGAGCAACTGAAGA
AACTCCAGGCCATTGTGGTGCAGTCCACCAGCAAGTCAGCCCAGACAGGCACCTGTGTCGCAGTCCTGTT
GCTGTCCTTTGCCCTCATCATCCTCCCCTCCATCAGCCCTTTTGGCCCCAACAAAACCGAGAGCCCTGGG
GACTTTGCGCCTGTACGAGTGTTCTCCAGAACTTTGCACAACGATGCTGCCTCCCGCGTGGCTGCTGATG
CTGTGCCAGGCTCCGAGGCCCCAGGACCCCGACCCGAGGCTGACACAACCCGAGAAGAGTCTCCAGGAAG
CCCCGGGGCAGACTGGGGCTTCCAGGACACCGCGAACCTGACCAATTCGACGGAGGAGCTGGACAACGCC
ACCCTGGTCCTGAGGAATGCAACAGAGGGGCTGGGCCAGGTCGCCCTGCTGGACTGGGTGGCGCCTGGGC
CGAGCACTGGCTCAGGACGTGCAGGGCTGGAGGCGGCGGGAGACGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

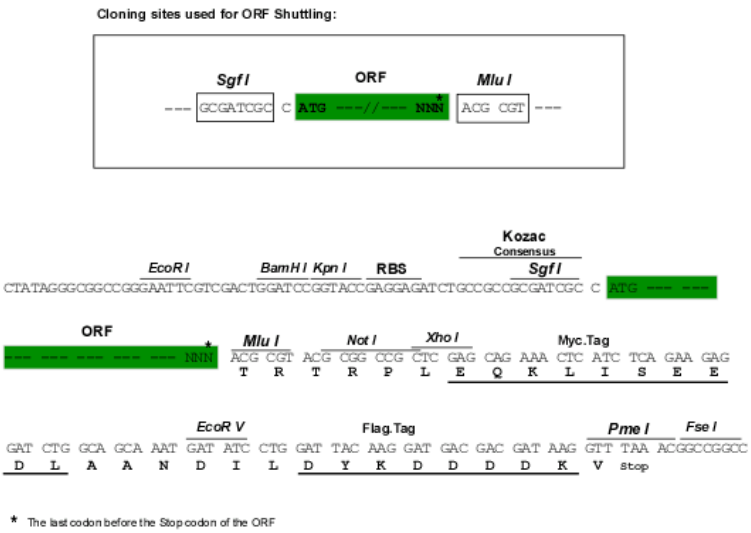
>RC234165 representing NM_001271995
Red=Cloning site Green=Tags(s)

MNTDLAAGKMASAACSMDPIDSFELLDLLFDRQDGILRHVELGEGWGHVKDQVLPNPDSDDFLSSILGSG
DSLPSSPLWSPEGSDSGISEDLPSDPQDTPPRSGPATSPAGCHPAQPGKGPCLSYHPGNSCSTTTPGPVI
QVPEASVTIDLEMWSPGGRICAEKPADPVDLSPRCNLTVKDLLLSGSSGDLQQHHLGASYLLRPGAGHCQ
ELVLTEDEKKLLAKEGITLPTQLPLTKYEERVLKKIRRKIRNKQSAQESRKKKKEYIDGLETRMSACTAQ
NQELQRKVLHLEKQNLSLLEQLKKLQAIVVQSTSKSAQTGTCVAVLLLSFALIILPSISPFGPNKTESPG
DFAPVRVFSRTLHNDAASRVAADAVPGSEAPGPRPEADTTREESPGSPGADWGFQDTANLTNSTEELDNA
TLVLRNATEGLGQVALLDWVAPGPSTGSGRAGLEAAGDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271995

ORF Size: 1380 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_001271995.2

RefSeq Size: 2621 bp

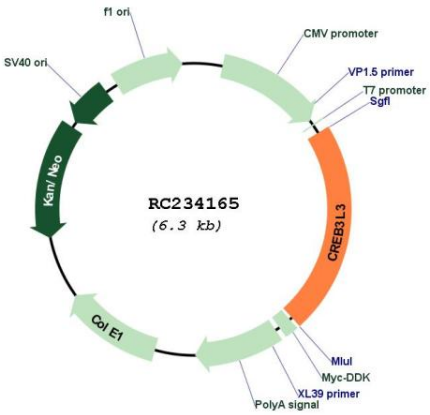
RefSeq ORF: 1383 bp

Locus ID: 84699

UniProt ID: Q68CJ9

Cytogenetics:	19p13.3
Protein Families:	Transcription Factors
Protein Pathways:	Huntington's disease, Melanogenesis, Prostate cancer
MW:	49.4 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]

Product images:



Circular map for RC234165