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Product datasheet for RG207937

AIBZIP (CREB3L4) (NM_130898) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AIBZIP (CREB3L4) (NM_130898) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CREB3L4
Synonyms:	AIBZIP; ATCE1; CREB3; CREB4; hJAL; JAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG207937 representing NM_130898
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCTCGGAATCCCTGACCTGCTGGACGCGTGGCTGGAGCCCCCAGAGGATATCTTCTCGACAGGAT
CCGTCCTGGAGCTGGGACTCCACTGCCCCCCTCCAGAGGTTCCGGTAACTAGGCTACAGGAACAGGGACT
GCAAGGCTGGAAGTCCGGTGGGGACCGTGGCTGTGGCCTTCAAGAGAGTGAGCCTGAAGATTTCTTGAAG
CTTTTCATTGATCCCAATGAGGTGTACTGCTCAGAAGCATCTCCTGGCAGTGACAGTGGCATCTCTGAGG
ACCCCTGCCATCCAGACAGTCCCCCTGCCCCCAGGGCAACCAGTTCTCCTATGCTCTATGAGGTTGTCTA
TGAGGCAGGGGCCCTGGAGAGGATGCAGGGGGAAACTGGGCCAAATGTAGGCCTTATCTCCATCCAGCTA
GATCAGTGGAGCCCAGCATTTATGGTGCCTGATTCCTGCATGGTCAGTGAGCTGCCCTTTGATGCTCATG
CCCACATCCTGCCCAGAGCAGGCACCGTAGCCCCAGTGCCCTGTACAACCCTGCTGCCCTGTCAAACCCT
GTTCCTGACCGATGAGGAGAAGCGTCTGCTGGGGCAGGAAGGGGTTTCCCTGCCCTCTCACCTGCCCCTC
ACCAAGGCAGAGGAGAGGGTCCTCAAGAAGGTCAGGAGGAAAATCCGTAACAAGCAGTCAGCTCAGGACA
GTCGGCGGCGGAAGAAGGAGTACATTGATGGGCTGGAGAGCAGGGTGGCAGCCTGTTCTGCACAGAACCA
AGAATTACAGAAAAAAGTCCAGGAGCTGGAGAGGCACAACATCTCCTTGGTAGCTCAGCTCCGCCAGCTG
CAGACGCTAATTGCTCAAACTTCCAACAAAGCTGCCCAGACCAGCACTTGTGTTTTGATTCTTCTTTTTT
CCCTGGCTCTCATCATCCTGCCCAGCTTCAGTCCATTCCAGAGTCGACCAGAAGCTGGGTCTGAGGATTA
CCAGCCTCACGGAGTGACTTCCAGAAATATCCTGACCCACAAGGACGTAACAGAAAATCTGGAGACCCAA
GTGGTAGAGTCCAGACTGAGGGAGCCACCTGGAGCCAAGGATGCAAATGGCTCAACAAGGACACTGCTTG
AGAAGATGGGAGGGAAGCCAAGACCCAGTGGGCGCATCCGGTCCGTGCTGCATGCAGATGAGATG

ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

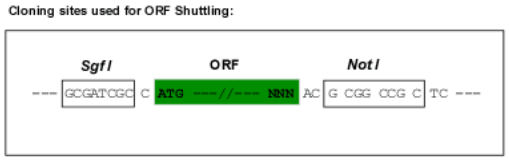
>RG207937 representing NM_130898
Red=Cloning site Green=Tags(s)

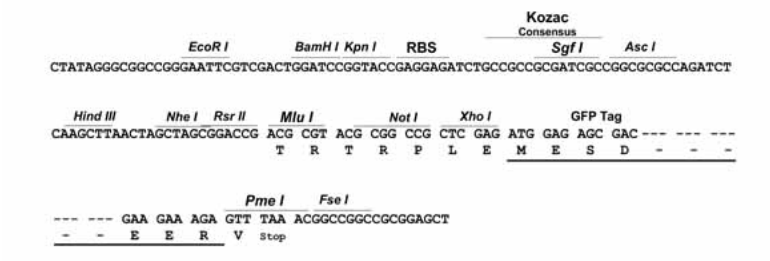
MDLGIPDLLDAWLEPPEDIFSTGSVLELGLHCPPPEVPVTRLQEQGLQGWKSGGDRGCGLQESEPEDFLK
LFIDPNEVYCSEASPGSDSGISEDPCHPDSPPAPRATSSPMLYEVVYEAGALERMQGETGPNVGLISIQL
DQWSPAFMVPDSCMVSELPFDAHAHILPRAGTVAPVPCTTLLPCQTLFLTDEEKRLLGQEGVSLPSHLPL
TKAEERVLKKVRRKIRNKQSAQDSRRRKKEYIDGLESRVAACSAQNQELQKKVQELERHNISLVAQLRQL
QTLIAQTSNKAAQTSTCVLILLFSLALIILPSFSPFQSRPEAGSEDYQPHGVTSRNILTHKDVTENLETQ
VVESRLREPPGAKDANGSTRTLLEKMGGKPRPSGRIRSVLHADEM

TRPLE - GFP Tag - V

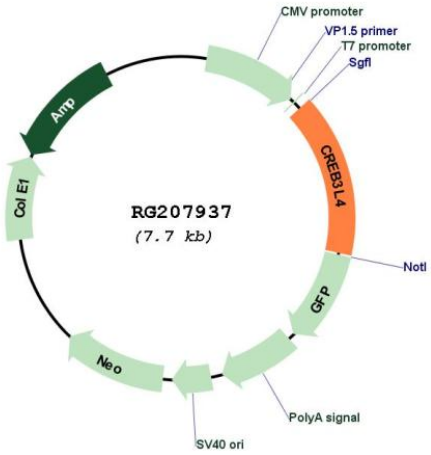
Restriction Sites: SgfI-NotI

Cloning Scheme:





Plasmid Map:



ACCN: NM_130898

ORF Size:	1185 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_130898.4
RefSeq Size:	1747 bp
RefSeq ORF:	1188 bp
Locus ID:	148327
UniProt ID:	Q8TEY5
Cytogenetics:	1q21.3
Domains:	BRLZ
Protein Families:	Transcription Factors
Protein Pathways:	Huntington's disease, Melanogenesis, Prostate cancer
Gene Summary:	This gene encodes a CREB (cAMP responsive element binding) protein with a transmembrane domain which localizes it to the ER membrane. The encoded protein is a transcriptional activator which contains a dimerization domain, and this protein may function in a number of processing pathways including protein processing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]