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 SC324199

AIBZIP (CREB3L4) (NM_130898) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AIBZIP (CREB3L4) (NM_130898) Human Untagged Clone
Tag:	Tag Free
Symbol:	AIBZIP
Synonyms:	AIBZIP; ATCE1; CREB3; CREB4; hJAL; JAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene sequence for NM_130898.2
CCACGCGTCCGCTCCCTCTTGCAAAAGCGAGGGCTACAGAACAGGCATTCAGGAGTCCTG
TGCTCCAGTCACAGCCTTTTCTGTTCTTCAGCTAGGAGACACCAAACCCTCAGGAAGATT
TACTATAGCTAAGAGAAAACTGCAGCAGAAAGGGCGCGGCTACCTACTTCTTAAATTCCG
TTTGTGGACCCTCAGACTCTTAGTCCCCTACTCCCAGATACAGCGGCCCTACCGTGGCTC
CTGGCAAGAAGCATGGATCTCGGAATCCCTGACCTGCTGGACGCGTGGCTGGAGCCCCCA
GAGGATATCTTCTCGACAGGATCCGTCCTGGAGCTGGGACTCCACTGCCCCCCTCCAGAG
GTTCCGGTAACTAGGCTACAGGAACAGGGACTGCAAGGCTGGAAGTCCGGTGGGGACCGT
GGCTGTGGCCTTCAAGAGAGTGAGCCTGAAGATTTCTTGAAGCTTTTCATTGATCCCAAT
GAGGTGTACTGCTCAGAAGCATCTCCTGGCAGTGACAGTGGCATCTCTGAGGACCCCTGC
CATCCAGACAGTCCCCCTGCCCCCAGGGCAACCAGTTCTCCTATGCTCTATGAGGTTGTC
TATGAGGCAGGGGCCCTGGAGAGGATGCAGGGGGAAACTGGGCCAAATGTAGGCCTTATC
TCCATCCAGCTAGATCAGTGGAGCCCAGCATTTATGGTGCCTGATTCCTGCATGGTCAGT
GAGCTGCCCTTTGATGCTCATGCCCACATCCTGCCCAGAGCAGGCACCGTAGCCCCAGTG
CCCTGTACAACCCTGCTGCCCTGTCAAACCCTGTTCCTGACCGATGAGGAGAAGCGTCTG
CTGGGGCAGGAAGGGGTTTCCCTGCCCTCTCACCTGCCCCTCACCAAGGCAGAGGAGAGG
GTCCTCAAGAAGGTCAGGAGGAAAATCCGTAACAAGCAGTCAGCTCAGGACAGTCGGCGG
CGGAAGAAGGAGTACATTGATGGGCTGGAGAGCAGGGTGGCAGCCTGTTCTGCACAGAAC
CAAGAATTACAGAAAAAAGTCCAGGAGCTGGAGAGGCACAACATCTCCTTGGTAGCTCAG
CTCCGCCAGCTGCAGACGCTAATTGCTCAAACTTCCAACAAAGCTGCCCAGACCAGCACT
TGTGTTTTGATTCTTCTTTTTTCCCTGGCTCTCATCATCCTGCCCAGCTTCAGTCCATTC
CAGAGTCGACCAGAAGCTGGGTCTGAGGATTACCAGCCTCACGGAGTGACTTCCAGAAAT
ATCCTGACCCACAAGGACGTAACAGAAAATCTGGAGACCCAAGTGGTAGAGTCCAGACTG
AGGGAGCCACCTGGAGCCAAGGATGCAAATGGCTCAACAAGGACACTGCTTGAGAAGATG
GGAGGGAAGCCAAGACCCAGTGGGCGCATCCGGTCCGTGCTGCATGCAGATGAGATGTGA
GCTGGAACAGACCTTCCTGGCCCACTTCCTGATCACAAGGAATCCTGGGCTTCCTTATGG
CTTTGCTTCCCACTGGGATTCCTACTTAGGTGTCTGCCCTCAGGGGTCCAAATCACTTCA
GGACACCCCAAGAGATGTCCTTTAGTCTCTGCCTGAGGCCTAGTCTGCATTTGTTTGCAT
ATATGAGAGGGTACCTCAAATACTTCTGTTATGTATCTGTGATTTTATTTCTTCTTTGGG
TATAGGGTTGAGGGGAAATAAGTTTTGAGTGAGAAATAAACGTTTTAGCTGAAAAAAAAA
AAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_130898

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:	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_130898.2, NP_570968.1
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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer protein (isoform 1). Variants 1, 2 and 3 encode the same protein.