

Product datasheet for **SC120549**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_130898, the custom clone sequence may differ by one or more nucleotides

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ATGGATCTCGGAATCCCTGACCTGCTGGACGCGTGGCTGGAGCCCCAGAGGATATCTTCTCGACAGGAT
CCGTCTGGAGCTGGGACTCCACTGCCCCCTCCAGAGTTCCGGTAACTAGGCTACAGGAACAGGGACT
GCAAGGCTGGAAGTCCGGTGGGGACCGTGGCTGTGGCCTCAAGAGAGTGAGCCTGAAGATTTCTTGAAG
CTTTTCATTGATCCCAATGAGGTGTACTGCTCAGAAGCATCTCCTGGCAGTGACAGTGGCATCTCTGAGG
ACCCCTGCCATCCAGACAGTCCCCCTGCCCCAGGGCAACCAGTTCTCCTATGCTCTATGAGGTTGTCTA
TGAGGCAGGGGCCCTGGAGAGGATGCAGGGGGAACTGGGCAAATGTAGGCCTTATCTCCATCCAGCTA
GATCAGTGGAGCCAGCATTATGGTGCCTGATTCCTGCATGGTCAGTGAGCTGCCCTTTGATGCTCATG
CCCACATCCTGCCAGAGCAGGCACCGTAGCCCCAGTGCCTGTACAACCCTGCTGCCCTGTCAAACCCCT
GTTCTGACCGATGAGGAGAAGCGTCTGCTGGGGCAGGAAGGGGTTTCCCTGCCCTCTCACCTGCCCTC
ACCAAGGCAGAGGAGAGGGTCTCAAGAAGGTCAGGAGGAAAAATCCGTAACAAGCAGTCAGCTCAGGACA
GTGGCGCGGGAAGAAGGAGTACATTGATGGGCTGGAGAGCAGGGTGGCAGCCTGTTCTGCACAGAACCA
AGAATTACAGAAAAAAGTCCAGGAGCTGGAGAGGCACAACATCTCCTTGGTAGCTCAGCTCCGCCAGCTG
CAGACGTAATTGCTCAAACCTCAACAAAGCTGCCAGACCAGCACTTGTTTTGATTCTTCTTTTTT
CCCTGGCTCTCATCATCTGCCAGCTTCAGTCCATTCCAGAGTCGACCAGAAGCTGGTCTGAGGATTA
CCAGCCTCACGGAGTGACTTCCAGAAATATCCTGACCCACAAGGACGTAACAGAAAAATCTGGAGACCCAA
GTGGTAGAGTCCAGACTGAGGGAGCCACCTGGAGCCAAGGATGCAAATGGCTCAACAAGGACACTGCTTG
AGAAGATGGGAGGGAAGCCAAGACCCAGTGGGCGCATCCGGTCCGTGCTGCATGCAGATGAGATGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_130898 unedited
 TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGTCAACGGGCTATGC
 TGGCTTGACAGGGCTGGGCTCTTCAGAACAGAAGCATGGATCTCGGAATCCCTGACCTGC
 TGGACGCGTGGCTGGAGCCCCAGAGGATATCTTCTCGACAGGATCCGTCTGGAGCTGG
 GACTCCACTGCCCCCTCCAGAGTTCCGGTAACTAGGCTACAGGAACAGGGACTGCAAG
 GCTGGAAGTCCGGTGGGACCGTGGCTGTGGCCTTCAAGAGAGTGAGCCTGAAGATTTCT
 TGAAGCTTTTCATTGATCCCAATGAGGTGACTGCTCAGAAGCATCTCCTGGCAGTGACA
 GTGGCATCTCTGAGGACCCCTGCCATCCAGACAGTCCCCCTGCCCCAGGGCAACCAGTT
 CTCCTATGCTCTATGAGTTGTCTATGAGGCAGGGGCCCTGGAGAGGATGCAGGGGGAAA
 CTGGGCCAAATGTAGGCCTTATCTCCATCCAGCTAGATCAGTGGAGCCCAGCATTATGG
 TGCCTGATTCTGCATGGTCAGTGAGCTGCCCTTTGATGCTCATGCCACATCCTGCCCA
 GAGCAGGCACCGTAGCCCCAGTGCCTGTACAACCCTGCTGCCCTGTCAAACCCTGTTCC
 TGACCGATGAGGAGAAGCGTCTGCTGNGGCAGGAAGGGTTTCCCTGCCCTCTCACCTGC
 CCCTCACCAAGGCAGAGGAGAGGGTCTCAAGAAGGTGAGGAGGAAATCCGTNNACAGC
 AGTCAGCTCAAGACAGTCGGCGGCCGGAAGAAGGATACATTGATGGGGCTGGAGAGCAGGT
 GGCANCTGTTCTGCACAGACCCAGATTACAGAAAAGTCCGGAGCTGGAGAGGCACACT
 CTNCTGTAGCTAGCTCCGCGCTGCAGAGCTATGGTCAACTCCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_130898 unedited
 TTCTGCTATGGAACCGGCCGCAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTTTCAGCT
 AAAACGTTTATTTCTCACTCAAACTTATTTCCCTCAACCCTATACCCAAAGAAGAAAT
 AAAATCACAGATACATAACAGAAGTATTTGAGGTACCCTCTCATATATGCAAACAAATGC
 AGACTAGGCCTCAGGCAGAGACTAAAGGACATCTCTTGGGGTGTCTGAAGTGATTTGGA
 CCCTGAGGGCAGACACCTAAGTAGGAATCCCAGTGGGAAGCAAAGCCATAAGGAAGCCC
 AGGATTCCTTGATCAGGAAGTGGGCCAGGAAGTCTGTTCCAGCTCACATCTCATCTG
 CATGCAGCACGGACCGATGCGCCCACTGGGTCTTGGCTTCCCTCCCATCTTCTCAAGCA
 GTGTCCTTGTGAGCCATTTGCATCCTTGGCTCCAGGTGGCTCCCTCAGTCTGGACTCTA
 CCACTTGGGTCTCCAGATTTTCTGTTACGTCCTTGTGGGTGAGGATTTTCTGGAAGTCA
 CTCCGTGAGGCTGGTAATCCTCAGACCCAGCTTCTGGTCGACTCTGGAATGGACTGAAGC
 TGGGCAGGATGATGAGAGCCAGGGAAAAAAGAAGAATCAAACACAAGTCTGGTCTGGG
 CAGCTTTGTTGGAAGTTTGAGCAATTAGCGTCTGCAGCTGGCGGAGCTGAGCTACCAAGG
 AGATGTTGTGCCTCTCCAGCTCCTGGACTTTTTTCTGTAATTCTTGGTTCTGTGCAGAAA
 GGCTGCCACCCTGCTCTCCAGCCATCAATGTAAGTCTTCTTCCGCCCGGACTGTCCTG
 AGCTGACTGCTTGTACGGATTTTCTCCTGACCTTCTTTGAGACCCCTCTCTGCCTT
 GNNTGAGGGCAGNTGAAAAGGNCAGGGGAAACCCTTNCCTGCCCN

Restriction Sites:

ECoRI-NOT

ACCN:

NM_130898

Insert Size:

1600 bp

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).

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_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:	<p>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]</p> <p>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.</p>