

## Product datasheet for **SC323255**

### AREB6 (ZEB1) (NM\_001128128) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AREB6 (ZEB1) (NM_001128128) Human Untagged Clone
Tag:	Tag Free
Symbol:	AREB6
Synonyms:	AREB6; BZP; DELTAEF1; FECD6; NIL2A; PPCD3; TCF8; ZFHEP; ZFH1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001128128 edited  
 ATGAAAGTTACAAATTATAATACTGTGGTAGAAACAAATTCAGATTCAGATGATGAAGAC  
 AAACGTGCATATTGTGGAAGAAGAAAGTGTACAGATGCAGCTGACTGTGAAGGTGTACCA  
 GAGGATGACCTGCCAACAGACCAGACAGTGTACCAGGGAGGAGCAGTGAAAGAGAAGGG  
 AATGCTAAGAAGCTGCTGGGAGGATGACACAGGAAAGGAAGGGCAAGAAATCCTGGGGCCT  
 GAAGCTCAGGCAGATGAAGCAGGATGTACAGTAAAAGATGATGAATGCGAGTCAGATGCA  
 GAAAATGAGCAAAACCATGATCCTAATGTTGAAGATTTCTACAACAACAAGACTGCT  
 GTCATTTTTCTGAGGCACCTGAAGAGGACCAGAGGCAGGGCACACCAGAAGCCAGTGGT  
 CATGATGAAAATGGAACACCAGATGCATTTTCACAATTACTCACCTGTCCATATTGTGAT  
 AGAGGCTATAAAGCCTTTACCTCTCTGAAAGAACACATTAATATCGTCATGAAAAGAAT  
 GAAGATAACTTTAGTTGCTCCCTGTGCAGTTACACCTTTGCATACAGAACCCAATTGAA  
 CGTCACATGACATCACATAAATCAGGAAGAGATCAAGACATGTGACGCAGTCTGGGTGT  
 AATCGTAAATTCAAATGCACTGAGTGTGAAAAGCTTTCAAATACAAACATCACCTAAAA  
 GAGCACTTAAGAAATTCACAGTGGAGAGAAGCCATATGAATGCCCAAACCTGCAAGAAACGC  
 TTTTCCCATTCTGGCTCCTATAGCTCACACATAAGCAGTAAGAAATGTATCAGCTTGATA  
 CCTGTGAATGGGCGACCAAGAACAGGACTCAAGACATCTCAGTGTCTTACCCTCTCTT  
 TCAGCATCACCAGGCAGTCCCACACGACCACAGATACGGCAAAAGATAGAGAATAAACC  
 CTTCAAGAACAACCTTTCTGTTAACCAAAATAAAACCTGAACCTGTGGATTATGAATTCAAA  
 CCCATAGTGGTTGCTTCAGGAATCAACTGTTCAACCCCTTTACAAAATGGGGTTTTCACT  
 GGTGGTGCCCATACAGGCAACCAAGTTCTCCTCAGGGCATGGTGCAAGCTGTTGTTCTG  
 CCAACAGTTGGTTTGGTGTCTCCATAAGTATCAATTTAAGTGATATTCAGAATGTACTT  
 AAAGTGCGGTAGATGGTAAATGTAATAAGGCAAGTGTGGAGAATAATCAAGCCAATCTT  
 GCATCCAAGAACAAGAAACAATCAATGCTTCACCCATACAACAAGGTGGCCATTCTGTT  
 ATTTACAGCCATCAGTCTTCTTTGGTTGATCAAGATGGAACAACCAAAATATCATCAAC  
 TACAGTCTTGAGCAGCCTAGCCAACCTCAAGTTGTTCTCAAAATTTAAAAAAGAAAAT  
 CCAGTCGCTACAACAGTTGAAAAGTAAAAGTTACCAGAAGATCTTACTGTTAAGTCT  
 GAGAAGGACAAAAGCTTTGAAGGGGGGTGAATGATAGCACTTGTCTTCTGTGTGATGAT



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TGTCCAGGAGATATTAATGCACTTCCAGAATTAAGCACTATGACCTAAAGCAGCCTACT  
 CAGCCTCCTCCACTCCCTGCAGCAGAAGCTGAGAAGCCTGAGTCTCTGTTCATCAGCT  
 ACTGGAGATGGCAATTTGTCTCCTAGTCAGCCACCTTTAAAGAACCTCTGTCTCTCCTA  
 AAAGCATATTATGCTTTGAATGCACAACCAAGTGCAGAAGAGCTCTCAAAAATTGCTGAT  
 TCAGTAAACCTACCACTGGATGTAGTAAAAAGTGTTTTGAAAAGATGCAAGCTGGACAG  
 ATTTCAAGTGCAGTCTTCTGAACCATCTTCTCCTGAACCAGGCAAAGTAAATATCCCTGCC  
 AAGAACAATGATCAGCCTCAATCTGCAAATGCAAATGAACCCAGGACAGCACAGTAACT  
 CTACAAAAGTCCTTTGAAGATGACTAACTCCCCAGTTTTACCAGTGGGATCAACCACCAAT  
 GGTTCAGAAAGTAGTACACCATCCCCATCACCTCTAAACCTTTCTCATCCAGAAATACA  
 CAGGGTACTTGTACACAGCTGAGGGTGCACAAGAAGAGCCACAAGTAGAACCTCTTGAT  
 CTTTCACTACCAAAGCAACAGGGAGAATTATTAGAAAAGTCAACTACTAGTGTTTAC  
 CAGAACAGTGTATTCTGTCCAGGAAGAACCCTTGAACCTGTCTTGCACAAAAAGGAG  
 CCACAAAAGGACAGTTGTGTACAGACTCAGAACCAGTTGTAATGTAATCCCACCAAGT  
 GCCAACCCATAAATATCGCTATACCTACAGTCACTGCCAGTTACCCACAATCGTGGCC  
 ATTGCTGACCAGAACAGTGTCCATGCTTAAGAGCGCTAGCTGCCAATAAGCAAACGATT  
 CTGATTCGCCAGGTGGCATAACCTACTCAACTACGGTACGCCCTGCAGTCCAAGAACCA  
 CCCTTGAAAGTGATCCAGCCAAATGGAATCAGGATGAAAGACAAGATACTAGCTCAGAA  
 GGAGTATCAAAATGTAGAGGATCAGAATGACTCTGATTCTACACCGCCAAAAAGAAAATG  
 CGGAAGACAGAAAATGGAATGTATGCTTGTGATTTGTGTGACAAGATATCCAAAAGAGT  
 AGTTCAATTATTGAGACATAAATATGAACACACAGGTAAAAGACCTCATGAGTGTGGAATC  
 TGTA AAAAGGCATTTAAACACAAACATCATTTGATTGAACACATGCGATTACATTCTGGA  
 GAAAAGCCCTATCAATGTGACAAATGTGGAAGCGCTTCTCACACTCTGGGTCTTATTCT  
 CAACACATGAATCATCGCTACTCTACTGTAAGAGAGAAGCGGAAGAAGTGCAGCAGCACA  
 GAGCAGGAAGAGGAGGCGCTGAAATCCTCTCGAATGAGCAGTGGGTGCCAGGGCGTCT  
 CCCTCACAGGGCGACTCGGACGAGAGAGAGTTTTGACAAGGGAAGAGGATGAAGACAGT  
 GAAAAAGAGGAAGAGGAGGAGGATAAAGAGATGGAAGAATTGCAGGAAGAAAAAGAAATGT  
 GAAAAACCACAAGGGGATGAGGAAGAGGAGGAGGAGGAGGAAGAAGTGAAGAAGAAGAG  
 GTAGAAGAGGCAGAGAATGAGGGAGAAGAAGCAAAAAGTGAAGGTCTGATGAAGGATGAC  
 AGGGCTGAAAGTCAAGCAAGCAGCTTAGGACAAAAAGTAGGCGAGAGTAGTGAGCAAGT  
 TCTGAAGAAAAGACAAATGAAGCCTAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001128128

**Insert Size:**

3300 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001128128.1</a></u> , <u><a href="#">NP_001121600.1</a></u>
<b>RefSeq Size:</b>	5667 bp
<b>RefSeq ORF:</b>	3327 bp
<b>Locus ID:</b>	6935
<b>UniProt ID:</b>	<u><a href="#">P37275</a></u>
<b>Cytogenetics:</b>	10p11.22
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a zinc finger transcription factor. The encoded protein likely plays a role in transcriptional repression of interleukin 2. Mutations in this gene have been associated with posterior polymorphous corneal dystrophy-3 and late-onset Fuchs endothelial corneal dystrophy. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (1) encodes isoform a.</p>