

## Product datasheet for **SC329288**

### AREB6 (ZEB1) (NM\_001174093) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AREB6 (ZEB1) (NM_001174093) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZEB1
Synonyms:	AREB6; BZP; DELTAEF1; FECD6; NIL2A; PPCD3; TCF8; ZFHEP; ZFH1A
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001174093, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGATGGCCCAGGTGTAAGCGCAGAAAGCAGGCGAACCCGCGGCAATAACGTT
ACAAATTATAACTGTGGTAGAAACAAATTCAGATTCAGATGATGAAGACAAATCGAT
ATTGTGGAAGAAGAAAGTGTACAGATGCAGCTACTGTGAAGGTGTACCAGAGGATGAC
CTGCCAACAGACCAGACAGTGTACCAGGGAGGAGCAGTGAAAGAGAAGGGAATGCTAAG
AACTGCTGGGAGGATGACATAAAAGATGATGAATGCGAGTCAGATGCAGAAAATGAGCAA
AACCATGATCCTAATGTTGAAGAGTTTCTACAACAACAAGACTGCTGTCATTTTTCT
GAGGCACCTGAAGAGGACCAGAGGCAGGGCACACCAGAAGCCAGTGGTCATGATAAAAT
GGAACACCAGATGCATTTTACAATTACTCACCTGTCCATATTGTGATAGAGGCTATAAA
CGCTTTACCTCTCTGAAAGAACACATTAATATCGTCATGAAAAGAATGAAGATAACTTT
AGTTGCTCCCTGTGCAGTTACACCTTTGCATACAGAACCCTGAACGTCACATGACA
TCACATAAATCAGGAAGAGATCAAAGACATGTGACGCGAGTCTGGGTGTAATCGTAAATTC
AAATGCACTGAGTGTGGAAAAGCTTTCAAATACAAACATCACCTAAAAGAGCACTTAAGA
ATTCACAGTGGAGAGAAGCCATATGAATGCCCAAACCTGCAAGAAACGCTTTTCCCATTCT
GGCTCCTATAGCTCACACATAAGCAGTAAGAAATGTATCAGCTTGATACCTGTGAATGGG
CGACCAAGAACAGGACTCAAGACATCTCAGTGTCTTACCCTCTCTTTCAGCATACCA
GGCAGTCCCACACGACCACAGATACGGCAAAAGATAGAGAATAAACCCCTTCAAGAACAA
CTTTCTGTTAACCAAAATTAACACTGAACCTGTGGATTATGAATTCAAACCCATAGTGTT
GCTTCAGGAATCAACTGTTCAACCCCTTTACAAAATGGGGTTTTCACTGGTGGTGCCCA
TTACAGGCAACCAGTTCTCCTCAGGGCATGGTGCAAGCTGTTGTTCTGCCAACAGTTGGT
TTGGTGTCTCCATAAGTATCAATTTAAGTGATATTCAGAATGTACTTAAAGTGCGGTA
GATGGTAATGTAATAAGGCAAGTGTGGAGAATAATCAAGCCAATCTTGATCCAAAGAA
CAAGAAACAATCAATGCTTCACCCATACAACAAGGTGGCCATTCTGTTATTTTCAGCCATC
AGTCTTCTTTGGTTGATCAAGATGGAACAACCAAAATATCATCAACTACAGTCTTGAG
CAGCCTAGCCAATTCAGTTGTTCTCAAATTTAAAAAAGAAAATCCAGTCGCTACA
AACAGTTGTAAGTGAAGGTTACCAGAAGATCTTACTGTTAAGTCTGAGAAGGACAAA

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AGCTTTGAAGGGGGGTGAATGATAGCACTTGTCTTCTGTGTGATGATTGTCCAGGAGAT
ATTAATGCACTTCCAGAATTAAGCACTATGACCTAAAGCAGCCTACTCAGCCTCCTCCA
CTCCCTGCAGCAGAAGCTGAGAAGCCTGAGTCCTCTGTTTCATCAGCTACTGGAGATGGC
AATTTGTCTCCTAGTCAGCCACCTTTAAAGAACCTCTTGTCTCTCCTAAAAGCATATTAT
GCTTTGAATGCACAACCAAGTGCAGAAGAGCTCTCAAAAATTGCTGATTTCAGTAAACCTA
CCACTGGATGTAGTAAAAAGTGGTTTGAAAAGATGCAAGCTGGACAGATTTTCAGTGCAG
TCTTCTGAACCATCTTCTCCTGAACCAGGCAAAGTAAATATCCCTGCCAAGAACAATGAT
CAGCCTCAATCTGCAAAATGCAAAATGAACCCAGGACAGCACAGTAAATCTACAAAGTCTT
TTGAAGATGACTAACTCCCCAGTTTTACCAGTGGGATCAACCACCAATGGTTCCAGAAGT
AGTACACCATCCCCATCACCTCTAAACCTTTCCTCATCCAGAAATACACAGGGTACTTG
TACACAGCTGAGGGTGCACAAGAAGAGCCACAAGTAGAACCTCTTGATCTTTCCTACCA
AAGCAACAGGGAGAATTATTAGAAAGGTCAACTATCACTAGTGTTCACAGAACAGTGT
TATTCTGTCCAGGAAGAACCCTTGAACCTGTCTTGCACAAAAAGGAGCCACAAAAGGAC
AGTTGTGTACAGACTCAGAACCAGTTGTAATGTAATCCACCAAGTGCCAACCCATA
AATATCGCTATACCTACAGTCACTGCCAGTTACCCACAATCGTGGCCATTGCTGACCAG
AACAGTGTTCATGCTTAAAGAGCGCTAGCTGCCAATAAGCAAACGATTCTGATCCCCAG
GTGGCATACACCTACTCAACTACGGTCAGCCCTGCAGTCCAAGAACCACCTTGAAGTG
ATCCAGCCAAATGGAAATCAGGATGAAAGACAAGATACTAGCTCAGAAGGAGTATCAAA
GTAGAGGATCAGAATGACTCTGATTCTACACCGCCAAAAAGAAAATGCGGAAGACAGAA
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AGACATAAATATGAACACACAGGTAAAAGACCTCATGAGTGTGGAATCTGTA AAAAGGCA
TTTAAACACAAAACATCTTTGATTGAACACATGCGATTACATTCTGGAGAAAAGCCCTAT
CAATGTGACAAAATGTGGAAGCGCTTTCACACTCTGGTCTTATTCTCAACACATGAAT
CATCGCTACTCCTACTGTAAAGAGAGAAGCGGAAGAACGTGACAGCACAGAGCAGGAAGAG
GCAGGGCCTGAAATCCTCTCGAATGAGCACGTGGGTGCCAGGGCTCTCCCTCACAGGGC
GACTCGGACGAGAGAGAGAGTTTGACAAGGGAAGAGGATGAAGACAGTGAAAAAGAGGAA
GAGGAGGAGGATAAAGAGATGGAAGAAATGCAGGAAGAAAAAGAAATGTGAAAAACCAAA
GGGGATGAGGAAGAGGAGGAGGAGGAGGAAGAAGTGAAGAAGAAGAGGTAGAAGAGGCA
GAGAATGAGGGAGAAGAAGCAAAAACCTGAAGGTCTGATGAAGGATGACAGGGCTGAAAGT
CAAGCAAGCAGCTTAGGACAAAAAGTAGGCGAGAGTAGTGAGCAAGTGTCTGAAGAAAAG
ACAAATGAAGCTAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM\_001174093
- 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\\_001174093.1](#), [NP\\_001167564.1](#)

**RefSeq Size:** 5938 bp

**RefSeq ORF:** 3315 bp

**Locus ID:** 6935

**UniProt ID:** [P37275](#)

**Cytogenetics:** 10p11.22

**Protein Families:** Transcription Factors

**Gene Summary:** 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]

Transcript Variant: This variant (6) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. This variant also lacks an in-frame exon in the 5' coding region compared to variant 1. The encoded isoform (c) is shorter and has a distinct N-terminus, compared to isoform a.