

## Product datasheet for **SC329269**

### AREB6 (ZEB1) (NM\_001174095) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AREB6 (ZEB1) (NM_001174095) 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_001174095, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGATGGCCCCAGGTGTAAGCGCAGAAAGCAGGCGAACCCGCGGCAATAACGGA
AAGGAAGGGCAAGAAATCCTGGGCCTGAAGCTCAGGCAGATGAAGCAGGATGTACAGTA
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ACCTTTGCATACAGAACCCAACCTGAACGTCACATGACATCACATAAATCAGGAAGAGAT
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TATGAATGCCCAAACCTGCAAGAAACGCTTTTCCATTCTGGCTCCTATAGCTCACACATA
AGCAGTAAGAAATGTATCAGCTTGATACCTGTGAATGGGCGACCAAGAACAGGACTCAAG
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AAGCCTGAGTCCCTCTGTTTCATCAGCTACTGGAGATGGCAATTTGTCTCCTAGTCAGCCA
CCTTTAAAGAACCTCTTGTCTCTCCTAAAAGCATATTATGCTTTGAATGCACAACCAAGT
GCAGAAGAGCTCTCAAAAATTGCTGATTAGTAAACCTACCACTGGATGTAGTAAAAAG
TGGTTTGGAAAAGATGCAAGCTGGACAGATTTTCAAGTGCAGTCTTCTGAACCATCTTCTCCT
GAACCAGGCAAAGTAAATATCCCTGCCAAGAACAATGATCAGCCTCAATCTGCAAATGCA
AATGAACCCAGGACAGCACAGTAAATCTACAAAGTCCCTTGAAGATGACTAACTCCCA
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CTAAACCTTTCCCTCATCCAGAAAATACACAGGGTTACTTGTACACAGCTGAGGGTGCACAA
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GCGCTAGCTGCCAATAAGCAAACGATTCTGATTCCCCAGGTGGCATAACCTACTCAACT
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GATGAAAGACAAGATACTAGCTCAGAAGGAGTATCAAATGTAGAGGATCAGAATGACTCT
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TTGACAAGGGAAGAGGATGAAGACAGTGAAAAAGAGGAAGAGGAGGAGGATAAAGAGATG
GAAGAATTGCAGGAAGAAAAGAATGTGAAAACCAAGGGGATGAGGAAGAGGAGGAG
GAGGAGGAAGAAGTGGAAGAAGAAGAGTGAAGAAGGCAGAGAATGAGGGAGAAGAAGCA
AAAAGTGAAGGTCTGATGAAGGATGACAGGGCTGAAAGTCAAGCAAGCAGCTTAGGACAA
AAAGTAGGCGAGAGTAGTGAGCAAGTGTCTGAAGAAAAGACAAATGAAGCCTAA

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**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001174095

**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\\_001174095.1](#), [NP\\_001167566.1](#)

RefSeq Size: 5797 bp

RefSeq ORF: 3174 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 (8) 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 and uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The encoded isoform (e) is shorter and has a distinct N-terminus, compared to isoform a.