

Product datasheet for RC230656

AREB6 (ZEB1) (NM_001174096) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AREB6 (ZEB1) (NM_001174096) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZEB1
Synonyms:	AREB6; BZP; DELTAEF1; FECD6; NIL2A; PPCD3; TCF8; ZFHEP; ZFH1A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC230656 representing NM_001174096 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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CTGTTAAGTCTGAGAAGGACAAAAGCTTTGAAGGGGGGTGAATGATAGCACTTGTCTTCTGTGTATGA
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Protein Sequence:

>RC230656 representing NM_001174096
 Red=Cloning site Green=Tags(s)

MADGPRCKRRKQANPRRNNVTNYNTVVETNSDSDDEDKHLHIVEEESVTDAAADCEGVPEDDLPTDQTVLPG
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 DKIFQKSSSLLRHKYEHTGKRPHECGICKKAFKHKHHLIEHMRLHSGEKPYQCDKCGKRFSHSGYSQHM
 NHRYSYCKREAERDSTEQEEAGPEILSNEHVGARASPSQGDSDERESL TREDEDESEKEEEEEEDKEMEE
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 KTNEA

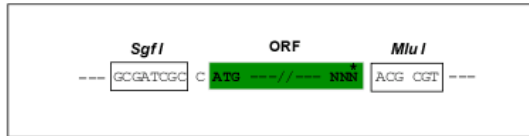
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

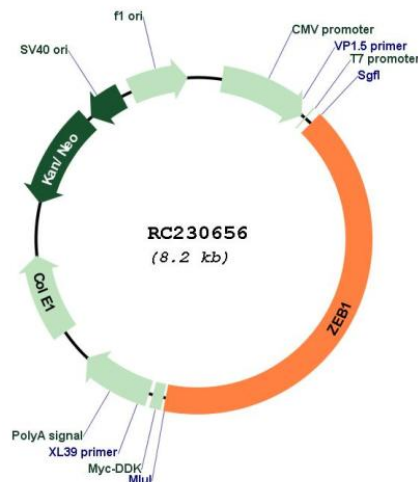
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001174096

ORF Size: 3375 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001174096.2](#)

RefSeq ORF: 3378 bp

Locus ID: 6935

UniProt ID: [P37275](#)

Cytogenetics: 10p11.22

Protein Families: Transcription Factors

MW: 124.5 kDa

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]