

Product datasheet for **KN217704**

AREB6 (ZEB1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	AREB6
Locus ID:	6935
Components:	<p>KN217704G1, AREB6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CACTCACCGTTATTGCGCCG</p> <p>KN217704G2, AREB6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGCTTTCTGCGCTTACACC</p> <p>KN217704D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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 GGGATCATGT AACTCGCCTT

GE100003, scramble sequence in pCas-Guide vector

Disclaimer:

These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

RefSeq:

[NM_001128128](#), [NM_001174093](#), [NM_001174094](#), [NM_001174095](#), [NM_001174096](#),
[NM_001323638](#), [NM_001323641](#), [NM_001323642](#), [NM_001323643](#), [NM_001323644](#),
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[NM_001323674](#), [NM_001323675](#), [NM_001323676](#), [NM_001323677](#), [NM_001323678](#),
[NM_030751](#), [NR_024285](#), [NR_024286](#), [NR_024287](#)

UniProt ID:

[P37275](#)

Synonyms:

AREB6; BZP; DELTAEF1; FECD6; NIL2A; PPCD3; TCF8; ZFH1A

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]

Product images:
