

Product datasheet for KN217704LP

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

AREB6 (ZEB1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: AREB6 Locus ID: 6935

Components: KN217704G1, AREB6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN217704G2, AREB6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN217704LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

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, NM 001323645, NM 001323646, NM 001323647, NM 001323648, NM 001323649, NM 001323650, NM 001323651, NM 001323652, NM 001323653, NM 001323654, NM 001323655, NM 001323656, NM 001323657, NM 001323658, NM 001323669, NM 001323660, NM 001323661, NM 001323662, NM 001323663, NM 001323664, NM 001323665, NM 001323666, NM 001323671, NM 001323672, NM 001323673, NM 001323674, NM 001323674, NM 001323675, NM 001323678, NM 001323677, NM 001323678

NM 030751, NR 024285, NR 024286, NR 024287

UniProt ID: P37275

Synonyms: AREB6; BZP; DELTAEF1; FECD6; NIL2A; PPCD3; TCF8; ZFHEP; ZFHX1A



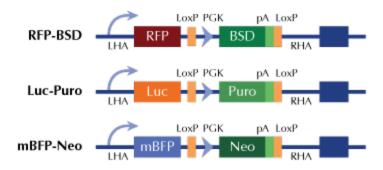


Summary:

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:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter