

Product datasheet for KN206025RB

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ZHX1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA:RFP-BSDSymbol:ZHX1

Locus ID: 11244

Components: KN206025G1, ZHX1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN206025G2, ZHX1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206025RBD, donor DNA containing left and right homologous arms and RFP-BSD

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: <u>NM 001017926</u>, <u>NM 007222</u>, <u>NR 037873</u>, <u>NR 037874</u>

UniProt ID: Q9UKY1

Synonyms: zinc-fingers and homeoboxes 1; zinc finger and homeodomain protein 1; zinc fingers and

homeobox 1; zinc fingers and homeoboxes 1

Summary: The members of the zinc fingers and homeoboxes gene family are nuclear homodimeric

transcriptional repressors that interact with the A subunit of nuclear factor-Y (NF-YA) and contain two C2H2-type zinc fingers and five homeobox DNA-binding domains. This gene encodes member 1 of this gene family. In addition to forming homodimers, this protein heterodimerizes with members 2 and 3 of the zinc fingers and homeoboxes family. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream chromosome 8 open reading frame 76

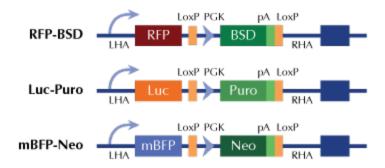
(C8orf76) gene. [provided by RefSeq, Feb 2011]





Product images:

Donor Vector Edited Chromosome



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