

Product datasheet for **KN206025**

ZHX1 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: ZHX1
Locus ID: 11244
Components: **KN206025G1**, ZHX1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCTGATATCAACTCAAGGTC
KN206025G2, ZHX1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCACTGGCAAGGACCATGCA
KN206025D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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_001017926](#), [NM_007222](#), [NR_037873](#), [NR_037874](#)

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:

