

Product datasheet for **KN200209**

ZNF274 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: ZNF274
Locus ID: 10782
Components: **KN200209G1**, ZNF274 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCAGGCCGTCGGAAGCCTGG
KN200209G2, ZNF274 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGTCCGCTACTGCACCTGGG
KN200209D, 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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TAGTTTGCGC AACGTTGTTG CCATTGCTAC AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA
TTCAGCTCCG GTTCCCAACG ATC

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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_001278734](#), [NM_001278735](#), [NM_016324](#), [NM_016325](#), [NM_133502](#)

UniProt ID:

[Q96GC6](#)

Synonyms:

HFB101; ZF2; ZKSCAN19; ZSCAN51

Summary:

This gene encodes a zinc finger protein containing five C2H2-type zinc finger domains, one or two Kruppel-associated box A (KRAB A) domains, and a leucine-rich domain. The encoded protein has been suggested to be a transcriptional repressor. It localizes predominantly to the nucleolus. Alternatively spliced transcript variants encoding different isoforms exist. These variants utilize alternative polyadenylation signals. [provided by RefSeq, Jul 2008]

Product images:

