

Product datasheet for KN200209BN

ZNF274 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo **ZNF274** Symbol: 10782 Locus ID:

KN200209G1, ZNF274 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN200209G2, ZNF274 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200209BND, donor DNA containing left and right homologous arms and mBFP-Neo

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.

NM 001278734, NM 001278735, NM 016324, NM 016325, NM 133502 RefSeq:

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]



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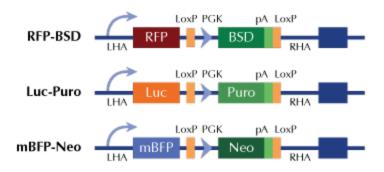
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Product images:

Donor Vector Edited Chromosome



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