

Product datasheet for KN210861BN

KDM6A 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 Symbol: KDM6A

Locus ID: 7403

Components: KN210861G1, KDM6A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN210861G2, KDM6A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN210861BND, 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.

RefSeq: NM 001291415, NM 001291416, NM 001291417, NM 001291418, NM 001291421,

NM 021140, NR 111960

UniProt ID: <u>O15550</u>

Synonyms: bA386N14.2; KABUK2; UTX

Summary: This gene is located on the X chromosome and is the corresponding locus to a Y-linked gene

which encodes a tetratricopeptide repeat (TPR) protein. The encoded protein of this gene contains a JmjC-domain and catalyzes the demethylation of tri/dimethylated histone H3. Multiple alternatively spliced transcript variants have been found for this gene. [provided by

RefSeg, Apr 2014]



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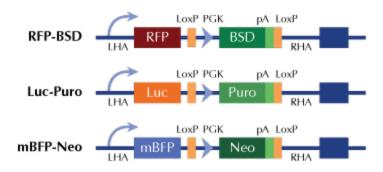
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Product images:

Donor Vector Edited Chromosome



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