

## Product datasheet for **KN210861**

### KDM6A 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:** KDM6A  
**Locus ID:** 7403  
**Components:** **KN210861G1**, KDM6A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTCCTCATCACCGAAAGCGG  
**KN210861G2**, KDM6A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATGGCGGCGGAAAAGCGAG  
**KN210861D**, 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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**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:**

[O15550](#)

**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 RefSeq, Apr 2014]

Product images:

