

Product datasheet for **KN208480**

KDM1A 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:	KDM1A
Locus ID:	23028
Components:	<p>KN208480G1, KDM1A gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGCAGGCGGCTCCGAGAAC</p> <p>KN208480G2, KDM1A gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGCAGCGGCAGCAACCGGGA</p> <p>KN208480D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

```

ACCATCGAAA CTGCTGTGCT CTCCAAGTTT TTTGCCAGT CCAAGCAGGG CAATTATGAA TAAGTAAGAC
GCTCTACCAA CATATTTTCCG TGTTCCTCCC CATTAGACTG TAAGTTCTTT GAAAGCTAGA ACTTCATAAT
GTAACCCTTG TTACGTAGTA GGCAAGCATT AATAAACTACT GTTGAATTA ACGAATAATT GGGTGAGTGA
ATGAACGAAC GCACGCATGC AAACCCGAAA GTCCCTGGAG GAAATGGTCA CCTTCGGAGG TTTAGTCTGG
CCCAGAAGCC CTAAGACCAC GGACTGTGCC AGGTCCCACT CCAAACGCCG GGGAGACGCT CTAGGCAAGC
TACACGTTCT TTGCTGCGGT GCCACTCTAG CCGCGAGAAC GCCGCTCTAT GGCTGCGGGG GAGGGGCGGG
GCTCGTGGGT GTCTCCGACC CTTTTTGTCC CGGCGCGGCG GGAGCGCGCT TGGCGCGTGC GTACGCGACG
GCGGTTGGCG GCGCGCGGGC AGCGTGAAGC GAGGCGAGGC AAGGCTTTTC GGACCCACGG AGCGACAGAG
CGAGCGGCCC CTACGGCCGT CGGCGGCCCG GCGGCCCGAG AGGTGGCCGC GCAGCCCGCG GGCCTGTCCG
GCCAGCCGA GGTGCGGGCG GGGGCGGTGG GGGAGCGCAC ACCCCGCAAG AAAGAGCCTC CGCGGGCCTC
GCCCCCGGG GGCCTGGCGG AACCGCCGGG GTCCGCAGGG CCTCAGGCCG GCCCTACTGT CGTGCCTGGG
TCTGCGACCC CCATGGAAC TGAATAGCA GAGACTCCGG AGGGGCGTCG GACCAGCCGG CGCAAGCGGG
CGAAGGTAAG GCTCGACCCT TCCCTCAAC GACACCGCCT GGTGCCGAGC TTCCCGGAGG CTTCTCCGCC
CTCCCCGCC GCCGCGGGT CTTGGGCCCT GCGACCACTC AGACCTCCCC TTGTATCGCT GCGCACGCCA
CGTCCCCTCT AGCTGGACGG GTGGGGTGAG AAAGGAAAAG TCTTTGCCGG TGTGACTGC GGTCTTTGTG
CTGGGTCCCG AGCGACGTGG GAAGGGGCAT CGATGATTGC TGGGAGGGGT ATTTTATTCC TTAGGTCTTT
CTTGACACCC TTTTCATTTT CTTGACTGGA AAATGGCTCC CTGACGTGGG GTTACGGTTG GCGTCTTGG
AGACCTCACT

```

GE100003, scramble sequence in pCas-Guide vector



[View online »](#)

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_001009999](#), [NM_015013](#), [NM_001363654](#)

UniProt ID:

[O60341](#)

Synonyms:

AOF2; BHC110; CPRF; KDM1; LSD1

Summary:

This gene encodes a nuclear protein containing a SWIRM domain, a FAD-binding motif, and an amine oxidase domain. This protein is a component of several histone deacetylase complexes, though it silences genes by functioning as a histone demethylase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Product images:
