

Product datasheet for KN201745BN

HDAC1 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: HDAC1

Locus ID: 3065

KN201745G1, HDAC1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN201745G2, HDAC1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN201745BND, 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 004964 RefSeq:

UniProt ID: Q13547

Synonyms: GON-10; HD1; RPD3; RPD3L1

Summary: Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in

> the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-

associated protein-2, it deacetylates p53 and modulates its effect on cell growth and

apoptosis. [provided by RefSeq, Jul 2008]



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

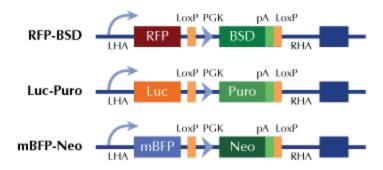
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Product images:

Donor Vector Edited Chromosome



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