

Product datasheet for **KN201745LP**

HDAC1 Human Gene Knockout Kit (CRISPR)

Product data:

| | |
|---------------|---|
| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control |
| Donor DNA: | Luciferase-Puro |
| Symbol: | HDAC1 |
| Locus ID: | 3065 |
| Components: | <p>KN201745G1, HDAC1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN201745G2, HDAC1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN201745LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p> |
| RefSeq: | NM_004964 |
| UniProt ID: | Q13547 |
| Synonyms: | GON-10; HD1; RPD3; RPD3L1 |
| Summary: | <p>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]</p> |



[View online »](#)

Product images:

