

## Product datasheet for **KN200605LP**

### HDAC3 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:	HDAC3
Locus ID:	8841
Components:	<b>KN200605G1</b> , HDAC3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN200605G2</b> , HDAC3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN200605LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_003883</a> , <a href="#">NM_001355039</a> , <a href="#">NM_001355040</a> , <a href="#">NM_001355041</a> , <a href="#">NR_149164</a> , <a href="#">NR_149165</a> , <a href="#">NR_149166</a> , <a href="#">NR_149167</a> , <a href="#">NR_149168</a> , <a href="#">NR_149169</a>
UniProt ID:	<a href="#">O15379</a>
Synonyms:	HD3; RPD3; RPD3-2
Summary:	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene. [provided by RefSeq, Jul 2008]



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## Product images:

