

## 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
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="#">Q15379</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:

