

## Product datasheet for **KN208656LP**

### HDAC5 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:	HDAC5
Locus ID:	10014
Components:	<p><b>KN208656G1</b>, HDAC5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN208656G2</b>, HDAC5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN208656LPD</b>, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<a href="#">NM_001015053</a> , <a href="#">NM_005474</a> , <a href="#">NM_139205</a>
UniProt ID:	<a href="#">Q9UQL6</a>
Synonyms:	HD5; NY-CO-9
Summary:	<p>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 class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p>



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## Product images:

