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Product datasheet for RC200605L1V

HDAC3 (NM_003883) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HDAC3 (NM_003883) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HDAC3
Synonyms:	HD3; KDAC3; RPD3; RPD3-2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_003883
ORF Size:	1284 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200605).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_003883.2, NP_003874.2
RefSeq Size:	1965 bp
RefSeq ORF:	1287 bp
Locus ID:	8841
UniProt ID:	O15379
Cytogenetics:	5q31.3
Domains:	Hist_deacetyl
Protein Families:	Druggable Genome, Transcription Factors

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MW: 48.8 kDa

Gene 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]