

## Product datasheet for **TP300605M**

### HDAC3 (NM\_003883) Human Recombinant Protein

#### Product data:

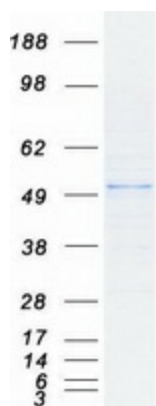
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human histone deacetylase 3 (HDAC3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200605 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MAKTVAYFYDPDVGNFHYGAGHPMKPHRLALHSLVLHYGLYKKMIVFKPYQASQHDMCRFHSEYIDF L QRVSPNTMQGFTKSLNAFNVGDDCPVFPGLFEFCSRYTGASLQGATQLNKKICDIANWAGGLHHAKE E ASGFCYVNDIVIGILELLKYHPRVLYIDIDIHHGDGVQEAFLTDRVMTVSFHKYGNYFFPGTGDMYEVG AESGRYYCLNVPLRDGIDDQSYKHLFQPVINQVWDFYQPTCIVLQCGADSLGCDRLGCFNLSIRGHGECV EYKFSNIPLLVGGGGYTVRNVARCWYETSLVVEEAISEELPYSEYFEYFAPDFTLHPDVSTRIENQN SRQYLDQIRQTIFENLKMLNHAPSVQIHDPADLLTYDRTDEADAERGPENYSRPEAPNEFYDGDHDN DKESDVEI  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	48.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_003874</a>
<b>Locus ID:</b>	8841
<b>UniProt ID:</b>	<a href="#">O15379</a>
<b>RefSeq Size:</b>	1965
<b>Cytogenetics:</b>	5q31.3
<b>RefSeq ORF:</b>	1284
<b>Synonyms:</b>	HD3; KDAC3; RPD3; RPD3-2
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified HDAC3 protein (Cat# [TP300605]). The protein was produced from HEK293T cells transfected with HDAC3 cDNA clone (Cat# [RC200605]) using MegaTran 2.0 (Cat# [TT210002]).