

Product datasheet for **TP300605M**

HDAC3 (NM_003883) Human Recombinant Protein

Product data:

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| 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 Red =Cloning site Green =Tags(s) |
| | <p>MAKTVAYFYDPDVGNFHYGAGHPMKPHRLALHSLVLHYGLYKMKMIVFKPYQASQHD MCRFHSEDIYDFL QRVSPNTMQGFTKSLNAFNVGDDCPVFPGLFEFCRYTGASLQGATQLNNKICDIANWAGGLHHAKKFE ASGFCYVNDIVIGILELLKYHPRVLYIDIDIHHGDGVQEAFLYLTDRVMTVSFHKYGNYYFPGTGDMYEVG AESGRYYCLNVPLRDGIDDQSYKHLFQPVINQWDFYQPTCIVLQCGADSLGCDRLGCFNLSIRGHGECV EYVKSFNIPLLVGGGGYTVRNVARCWTYETSLLVEEAISEELPYSEYFEYFAPDFTLHPDVSTRIENQN SRQYLDQIRQTIFENLKMLNHAPSVQIHDVPADLLTYDRTDEADAEERGPEENYSRPEAPNEFYDGDHDN DKESDVEI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| 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. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_003874</u> |



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Locus ID: 8841

UniProt ID: [O15379](#)

RefSeq Size: 1965

Cytogenetics: 5q31.3

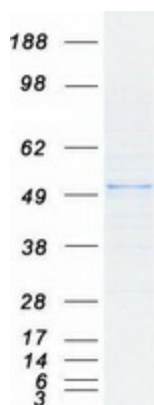
RefSeq ORF: 1284

Synonyms: HD3; KDAC3; 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]

Protein Families: 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]).