

Product datasheet for PH300605

OriGene Technologies, Inc.

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HDAC3 (NM_003883) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: HDAC3 MS Standard C13 and N15-labeled recombinant protein (NP_003874)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC200605

or AA Sequence:

11020000

Predicted MW: 48.8 kDa

Protein Sequence: >RC200605 protein sequence

Red=Cloning site Green=Tags(s)

MAKTVAYFYDPDVGNFHYGAGHPMKPHRLALTHSLVLHYGLYKKMIVFKPYQASQHDMCRFHSEDYIDFL QRVSPTNMQGFTKSLNAFNVGDDCPVFPGLFEFCSRYTGASLQGATQLNNKICDIAINWAGGLHHAKKFE ASGFCYVNDIVIGILELLKYHPRVLYIDIDIHHGDGVQEAFYLTDRVMTVSFHKYGNYFFPGTGDMYEVG AESGRYYCLNVPLRDGIDDQSYKHLFQPVINQVVDFYQPTCIVLQCGADSLGCDRLGCFNLSIRGHGECV EYVKSFNIPLLVLGGGGYTVRNVARCWTYETSLLVEEAISEELPYSEYFEYFAPDFTLHPDVSTRIENQN SRQYLDQIRQTIFENLKMLNHAPSVQIHDVPADLLTYDRTDEADAEERGPEENYSRPEAPNEFYDGDHDN

DKESDVEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 µg/µL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 003874

RefSeq Size: 1965 RefSeq ORF: 1284

Synonyms: HD3; KDAC3; RPD3; RPD3-2



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Locus ID: 8841

UniProt ID: 015379 Cytogenetics: 5q31.3

Summary: Histones play a critical role in transcriptional regulation, cell cycle progression, and

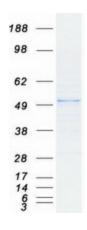
developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a 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]).