

Product datasheet for PH300605

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:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200605
Predicted MW:	48.8 kDa
Protein Sequence:	>RC200605 protein sequence Red=Cloning site Green=Tags(s)

MAKTVAIFYDPDVGNFHYGAGHPMKPHRLALTHSLVLHYGLYKKMIVFKPYQASQHDMCRFHSEDIIDFL
QRVSPNTMQGFTKSLNAFNVGDDCPVFPGLFEFCSRYTGASLQGATQLNNKICDIAINWAGGLHHAKKFE
ASGFCYVNDIVIGILELLKYHPRVLYIDIDIHHGDGVQEAFYL TDRVMTVSFHKYGNVFFPGTGDMEVVG
AESGRYYCLNVPLRDGIDDQSYKHLFQPVINQVVDFYQPTCIVLQCGADSLGCDRLGCFNLSIRGHGECV
EYVKSFNIPLLVLGGGGYTVRNVARCWYETSLLVEEAISEELPYSEYFEYFAPDFLHPDVSTRIENQN
SRQYLDQIRQTI FENLKMLNHAPSVQIHDVPADLLTYDRTDEADAERGPENYSRPEAPNEFYDGDHDN
DKESDVEI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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: [O15379](#)

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]).