

Recombinant Human HDAC3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HDAC3-6182H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HDAC3 MS Standard C13 and N15-labeled recombinant protein (NP_003874) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	48.8 kDa
AA Sequence	MAKTVAYFYDPDVGNFHYGAGHPMKPHRLALTHSLVLHYGLYKKMIVFKPYQASQH DMCRFHSEYIDFLQRVSPPTNMQGFTKSLNAFNVGDDCPVFPGLFEFCSTRYTGASL QGATQLNNKICDIANWAGGLHHAKKFEASGFCYVNDIVIGILELLKYHPRVLYIDIDIH HGDGVQEAFYLTDRVMTVSFHKYGNYYFFPGTGDMYEVGAESGRYYCLNVPLRDGI DDQSYKHLFQPVINQVDFYQPTCIVLQCGADSLGCDRLGCFNLSIRGHGECVEYV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KSFNIPLLVLGGGGYTVRNVARCWTYETSLLVEEAISEELPYSEYFEYFAPDFTLHPD
 VSTRIENQNSRQYLDQIRQTIFENLKMNLHAPSVQIHDVPADLLTYDRTDEADAEER
 GPEENYSRPEAPNEFYDGDHDNDKESDVEITRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

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

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

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name HDAC3 histone deacetylase 3 [Homo sapiens (human)]

Official Symbol HDAC3

Synonyms HDAC3; histone deacetylase 3; HD3; RPD3; RPD3 2; SMAP45; RPD3-2;

Gene ID 8841

mRNA Refseq NM_003883

Protein Refseq NP_003874

MIM 605166

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UniProt ID

O15379

SDS-PAGE

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