

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

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

## SPECIFICATION

<b>Product Overview</b>	HDAC3 MS Standard C13 and N15-labeled recombinant protein (NP_003874) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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.
<b>Molecular Mass</b>	48.8 kDa
<b>AA Sequence</b>	MAKTVAYFYDPDVGNFHYGAGHPMKPHRLALTHSLVLHYGLYKKMIVFKPYQASQH DMCRFHSEYIDFLQRVSPPTNMQGFTKSLNAFNVGDCCPVFPGLFEFCSTRYTASL QGATQLNKNKICDIANWAGGLHHAKKFEASGFCYVNDIVIGILELLKYHPRVLYIDIDIH HGDGVQEA FYLTDRVMTVSFHKYGN YFFPGTGDMYEVGAESGRYYCLNVPLRDGI DDQSYKHLFQPVINQVDFYQPTCIVLQCGADSLGCDRLGCFNLSIRGHGECVEYV

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

KSFNIPLLVLGGGGYTVRNVARCWTYETSLVVEEAISEELPYSEYFEYFAPDFTLHPD  
 VSTRIENQNSRQYLDQIRQTIFENLKMMLNHAPSVQIHDVPADLLTYDRTDEADAEER  
 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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