Active Recombinant Human HDAC3, FLAG-tagged

Cat. No. HDAC3-854H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HumanHDAC3 is expressed in Baculovirus with a FLAG tag at N-terminus.
Species	Human
Source	Insect Cells
Description	The nucleosomal histones can be modified through reversible acetylation by histone acetyltransferases (HATs) and deacetylases (HDACs). Acetylation and deacetylation of histone proteins alters chromosome structure and affects transcription factor access to DNA. HDAC3 has an open reading frame of 428 amino acids. HDAC3 shares 53% amino acid identity with HDAC1 and 52% with HDAC2.
Formulation	1x dilution buffer A: 20 mM Tris-Cl (pH 8.0), 20% Glycerol, 100 mM KCl, 0.2 mM EDTA and 1mM DTT.
Application	Recombinant HDAC3 can be used 1) for in vitro function studies including transcription in the presence of co-factors such as N-CoR; 2) for protein-protein interaction assay; and 3) for cell growth assay.
Activity	1 unit equals 1 nanogram of purified protein.

GENE INFORMATION

Gene Name	HDAC3 histone deacetylase 3 [Homo sapiens]

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

Synonyms	HDAC3; ; histone deacetylase 3; RPD3; HD3; RPD3-2; EC 3.5.1.98; SMAP45
Gene ID	8841
mRNA Refseq	NM_003883
Protein Refseq	NP_003874
MIM	605166
UniProt ID	O15379
Chromosome Location	5q31
Pathway	Signalling by NGF
Function	DNA binding; histone deacetylase activity; hydrolase activity; transcription factor binding

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