Recombinant Human HDAC3 and NCOR2 Protein, His/GST-tagged

Cat. No. HDAC3-162H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Complex of full-length recombinant C-terminal His-tagged HDAC3 and recombinant N-terminal GST-tagged NCOR2 amino acids 395-489, co-expressed in baculovirus expression system.
Species	Human
Source	Insect Cells
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	49.7 kDa (HDAC3); 37.6 kDa (NCOR2)
Purity	≥90%
Unit Definition	One unit is the amount of enzyme required to release 1 pmol of acetate per minute at 37 centigrade in 25 mM Tris/HCl, pH 8.0, 137 mM NaCl, 2.7 mM KCl, 1 mM MgCl2, 0.1 mg/mL BSA, and 20

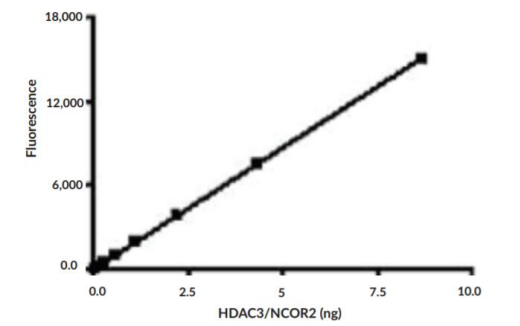
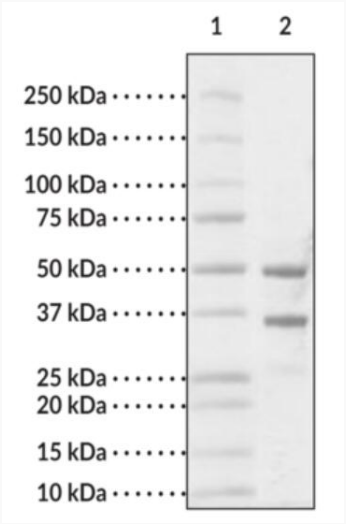
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	μM fluorogenic HDAC substrate 3.
Storage Buffer	40 mM Tris-HCl, pH 8.0, 110 mM sodium chloride, 2.2 mM potassium chloride, 250 mM imidazole, and 20% glycerol

GENE INFORMATION

Gene Name	HDAC3 histone deacetylase 3 [Homo sapiens (human)]
Official Symbol	HDAC3
Synonyms	HDAC3; histone deacetylase 3; HD3; RPD3; KDAC3; RPD3-2; histone deacetylase 3; SMAP45; EC 3.5.1.98
Gene ID	8841
mRNA Refseq	NM_003883
Protein Refseq	NP_003874
MIM	605166
UniProt ID	O15379

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HDAC3/NCOR2 Deacetylase Activity	
SDS-PAGE Analysis of HDAC2	 Lane 1: MW Markers Lane 2: HDAC3/NCOR2(4 µg)

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