

Recombinant Human HDAC4 Protein, GST-tagged

Cat. No. HDAC4-022H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC4 protein (627-1085) with a N-terminal GST-tag was expressed in baculovirus expression system
Species	Human
Source	Insect Cells
ProteinLength	627-1085
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 class II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3.
Molecular Mass	75.2 kDa
Purity	60% estimated by SDS-PAGE
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 MgCl ₂ , 0.1 mg/ml BSA, and 20 μ M fluorogenic HDAC class 2a substrate.

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Stability	≥ 6 months
Storage	-80 centigrade
Storage Buffer	45 mM Tris-HCl, pH 8.0, with 124 mM NaCl, 2.4 mM KCl, 18 mM glutathione, and 10% glycerol
Shipping	Dry ice in continental US, may vary elsewhere.

GENE INFORMATION

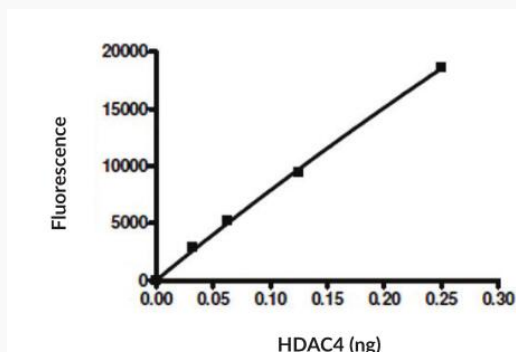
Gene Name	HDAC4 histone deacetylase 4 [Homo sapiens (human)]
Official Symbol	HDAC4
Synonyms	HDAC4; histone deacetylase 4; HD4; AHO3; BDMR; HDACA; HA6116; HDAC-4; HDAC-A; histone deacetylase 4; histone deacetylase A; EC 3.5.1.98
Gene ID	9759
mRNA Refseq	NM_006037
Protein Refseq	NP_006028
MIM	605314
UniProt ID	P56524

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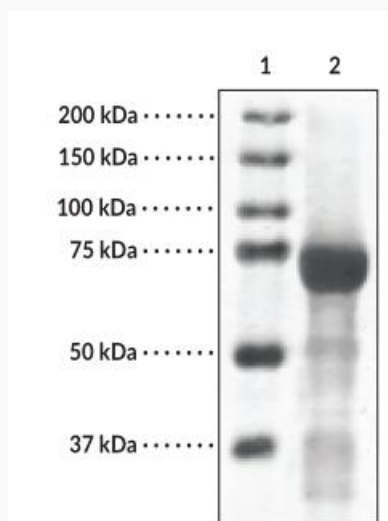
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HDAC4 Deacetylase Activity



SDS-PAGE Analysis of HDAC4



Lane 1: MW Markers

Lane 2: HDAC4 (5 µg)

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