

Active Recombinant Human Histone Deacetylase 4, GST-tagged

Cat. No. HDAC4-395H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full Length Human HDAC4– Class IIa, 111kD with GST tag.
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 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.
Purity	Purified, active enzyme.
Purification Procedure	Glutathione Column
Activity	1000 units per vial. 1 unit is defined as the amount of enzyme that will convert 1 picomole per minute per ug of protein at pH8 at 30°C.
Stability/Shelf-life	>6 months from date of shipment

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Buffer Composition	25mM Tris pH8, 120mM NaCl, 0.05% Tween-20 & 40% Glycerol
Storage	-80°C
Full Length	Full L.
GENE INFORMATION	
Gene Name	HDAC4 histone deacetylase 4 [Homo sapiens]
Synonyms	HDAC4; HA6116; HD4; HDAC-A; HDACA; KIAA0288; 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
Chromosome Location	2q37.3
Pathway	Gene Expression
Function	DNA binding; histone deacetylase activity; hydrolase activity; A; transcription repressor activity

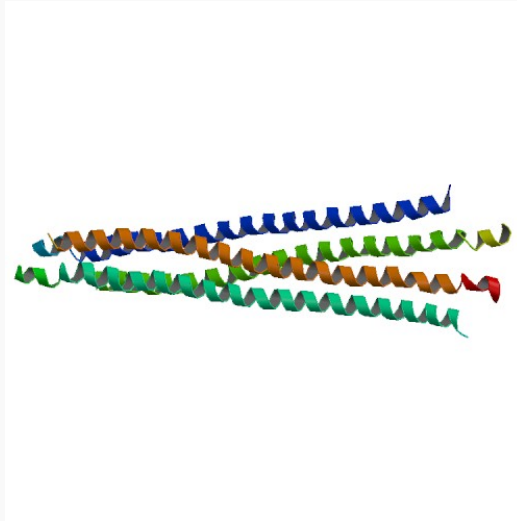
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PDBrendering based
on 2h8n. Available
structures:2h8n,2o94



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