

Active Recombinant Human Histone Deacetylase 8, GST-tagged

Cat. No. HDAC8-399H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full Length Human HDAC8 (NM_003883) – Class I, 70kD with GST tag.
Species	Human
Source	Insect Cells
Protein Length	1-377aa
Description	Histone deacetylase 8, also known as HDAC8, is a human gene. 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 I of the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter.
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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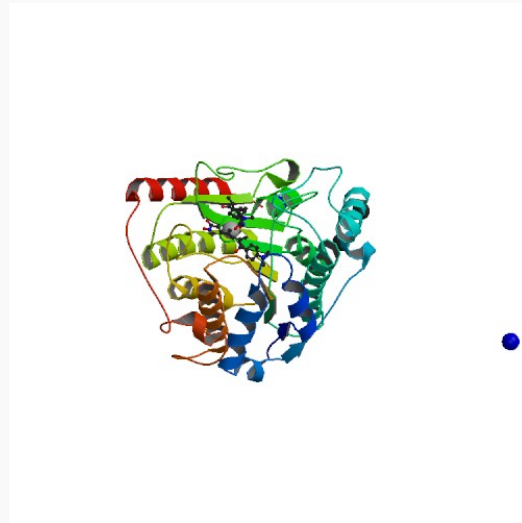
Buffer Composition	25mM Tris pH8, 120mM NaCl, 0.05% Tween-20 & 40% Glycerol
Storage	-80°C
Full Length	Full L.
GENE INFORMATION	
Gene Name	HDAC8 histone deacetylase 8 [Homo sapiens]
Synonyms	HDAC8; RPD3; HDACL1; histone deacetylase 8; histone deacetylase-like 1; EC 3.5.1.98; HD8.
Gene ID	55869
mRNA Refseq	NM_018486
Protein Refseq	NP_060956
MIM	300269
UniProt ID	Q9BY41
Chromosome Location	Xq13
Pathway	Gene Expression
Function	histone deacetylase activity; hydrolase activity; transcription factor binding

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**PDBrendering based
on 1t64. Available
structures:1t64,1t67,1t6**



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