

Active Recombinant Human Histone Deacetylase 6, GST-tagged

Cat. No. HDAC6-397H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full Length Human HDAC6—Class IIb, 160kD with GST tag.
Species	Human
Source	Insect Cells
Description	Histone deacetylase 6, also known as HDAC6, 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 II of the histone deacetylase/acuc/apha family. It contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription.
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 1picomole 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	HDAC6 histone deacetylase 6 [Homo sapiens]
Synonyms	HDAC6; FLJ16239; HD6; JM21; histone deacetylase 6; OTTHUMP00000032398; EC 3.5.1.98; KIAA0901.
Gene ID	10013
mRNA Refseq	NM_006044
Protein Refseq	NP_006035
MIM	300272
UniProt ID	Q9UBN7
Chromosome Location	Xp11.23
Pathway	Gene Expression
Function	actin binding; histone deacetylase activity; histone deacetylase binding; hydrolase activity; metal ion binding; specific transcriptional repressor activity; tubulin deacetylase activity; zinc ion binding

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