

Recombinant Human HDAC6 Protein, GST-tagged

Cat. No. HDAC6-41H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human HDAC6 protein with a N-terminal GST-tag was expressed in Sf21 cells.
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 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.
Molecular Mass	159 kDa
Purity	≥65% 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 μM fluorogenic HDAC substrate 3.
Stability	≥ 6 months

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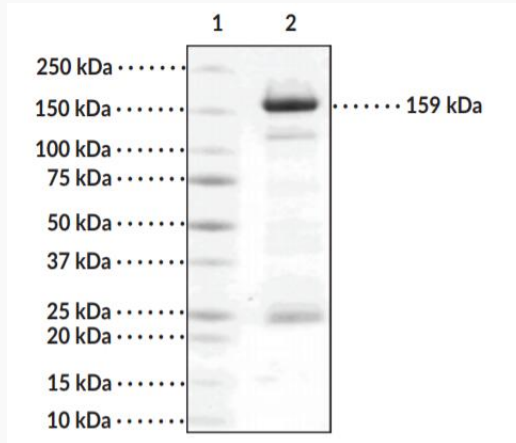
Storage	Store it at -80 centigrade
Storage Buffer	40 mM Tris-HCl pH8.0, 110mM sodium chloride, with 2.2 mM potassium chloride, 0.04% Tween20, 3mM DTT, and 20% glycerol
GENE INFORMATION	
Gene Name	HDAC6 histone deacetylase 6 [Homo sapiens (human)]
Official Symbol	HDAC6
Synonyms	HDAC6; histone deacetylase 6; HD6; JM21; CPBHM; PPP1R90; histone deacetylase 6; protein phosphatase 1, regulatory subunit 90; tubulin-lysine deacetylase HDAC6
Gene ID	10013
mRNA Refseq	NM_001321226
Protein Refseq	NP_001308155
MIM	300272
UniProt ID	Q9UBN7

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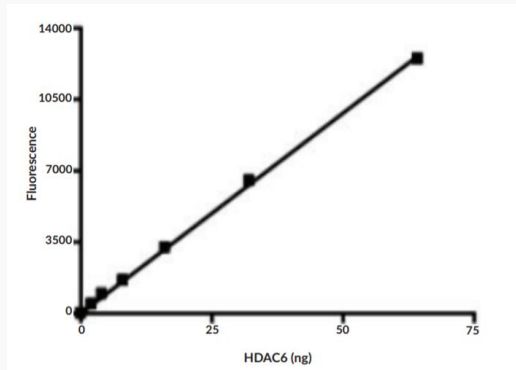
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**SDS-PAGE Analysis
of HDAC6**



Lane 1: MW Markers; Lane 2: HDAC6. Representative gel image shown; actual purity may vary between each batch.

**HDAC6 Deacetylase
Activity**



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