

Recombinant Human HDAC6 Protein, GST-tagged

Cat. No. HDAC6-096H Lot. No. (See product label)

SPECIFICATION

Product Overview	Full-length recombinant N-terminal GST-tagged human HDAC6 protein was expressed in Sf9 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 At -80 centigrade.

Storage Buffer 40 mM Tris-HCl, pH 8.0, 110 mM sodium chloride, with 2.2 mM potassium chloride, 0.04% Tween 20, 3 mM 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; EC 3.5.1.98

Gene ID 10013

mRNA Refseq NM_006044

Protein Refseq NP_006035

MIM 300272

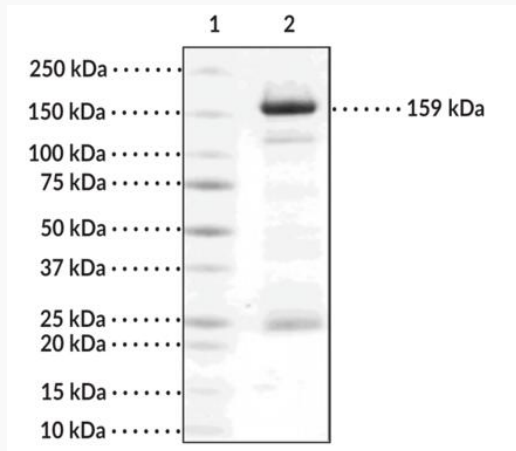
UniProt ID Q9UBN7

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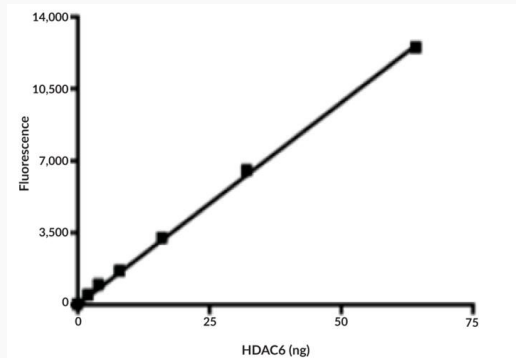
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**SDS-PAGE analysis
of HDAC6**



Lane 1: MW Markers
Lane 2: HDAC6

**HDAC6 Deacetylase
Activity**



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