

Recombinant Human HDAC8 Protein, His-tagged

Cat. No. HDAC8-26H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HDAC8(2-377) protein with a C-terminal His-tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-377
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 I of the histone deacetylase family. It catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	45.3 kDa
Purity	≥85% estimated by SDS-PAGE
Unit Definition	One unit is the amount of enzyme required to release 1 nmol/min acetate from 100 μM acetylated p53 peptide at 37 centigrade in 25 mM Tris, pH 8.0, 137 mM NaCl, 2.7 mM KCl, and 1 mM MgCl ₂ .

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Stability	≥ 6 months
Storage	Store it at -80 centigrade
Storage Buffer	50 mM Tris, pH 7.5, with 200 mM sodium chloride 2.5 mM potassium chloride, 1 mM TCEP, 25% glycerol

GENE INFORMATION

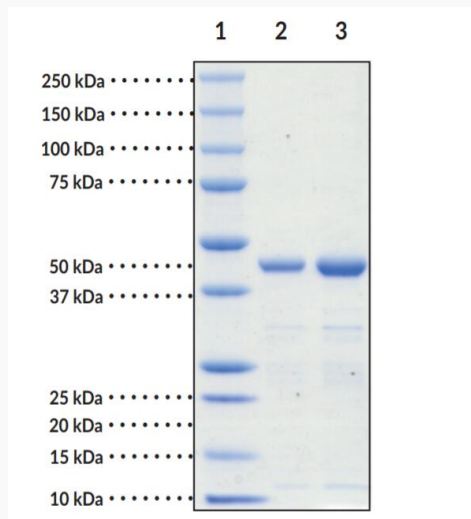
Gene Name	HDAC8 histone deacetylase 8 [Homo sapiens (human)]
Official Symbol	HDAC8
Synonyms	HDAC8; histone deacetylase 8; HD8; WTS; RPD3; CDA07; CDLS5; KDAC8; MRXS6; HDACL1; histone deacetylase 8; histone deacetylase-like 1
Gene ID	55869
mRNA Refseq	NM_001166418
Protein Refseq	NP_001159890
MIM	300269
UniProt ID	Q9BY41

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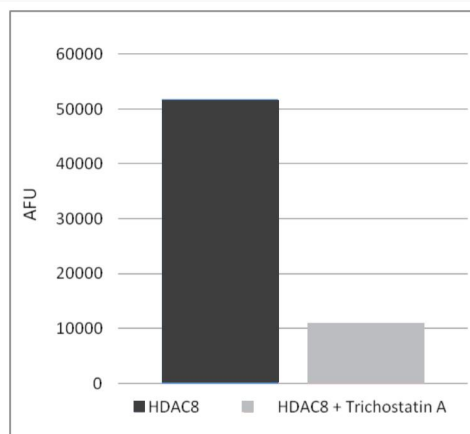
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SDS-PAGE Analysis of HDAC8



Lane 1: MW Markers; Lane 2: HDAC8 (2 µg); Lane 3: HDAC8 (4 µg).
Representative gel image shown; actual purity may vary between each batch.



HDAC8 activity was inhibited by a known inhibit Trichostatin A.