

HDAC8 recombinant protein

HDAC8, Active

CATALOG # AAA73606	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

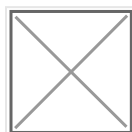
PRODUCT SYNONYMS

HDAC8; Active; HDACL1; RPD3; HDAC8 recombinant protein

PRODUCT SPECIFICATIONS

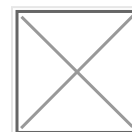
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM MOPS, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for HDAC8 recombinant protein	WB (Western Blot), HDAC (Histone Deacetylase Assay)
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Histone Deacetylase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for HDAC8 recombinant protein	<p>Full-length recombinant human HDAC8 was expressed by baculovirus in Sf9 insect cells using a C-terminal His tag. The gene accession number is BC050433.</p> <p>HDAC8 or Histone deacetylase 8 belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. The protein encoded by this gene belongs to class I of the histone deacetylase family that catalyzes the deacetylation of lysine residues in the histone N-terminal tails and represses transcription in large multiprotein complexes with transcriptional co-repressors (1). There are 2 adjacent histidine residues in the predicted active site (His142 and His143) that are required for HDAC activity on H4 peptide substrates and core histones (2). The knockdown of HDAC8 by RNA interference inhibited the growth of human lung, colon, and cervical cancer cell lines.</p>
Product Categories/Family for HDAC8 recombinant protein	Histone Deacetylases ; Cancer ; Cell Cycle ; Inflammation

References	1. Buggy, J. J. et.al: Cloning and characterization of a novel human histone deacetylase, HDAC8. Biochem. J. 350: 199-205, 2000. 2. Vannini, A. et.al: Crystal structure of a eukaryotic zinc-dependent histone deacetylase, human HDAC8, complexed with a hydroxamic acid inhibitor. Proc. Nat. Acad. Sci. 101: 15064-15069, 2004.
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	30046560
NCBI GeneID	55869
Molecular Weight	16,050 Da
NCBI Official Full Name	Homo sapiens histone deacetylase 8, mRNA
NCBI Official Synonym Full Names	histone deacetylase 8
NCBI Official Symbol	HDAC8
NCBI Official Synonym Symbols	HD8; WTS; RPD3; CDA07; CDLS5; MRXS6; HDACL1
NCBI Protein Information	histone deacetylase 8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/hdac8-recombinant-protein-sf9-insect-cells-wb-western-blot-hdac-histone-deacetylase-assay/73606>