HDAC2 recombinant protein

HDAC2, Active

CATALOG #	HOST	APPLICATIONS
AAA73597	**Sf9 insect cells**	**Western Blot**

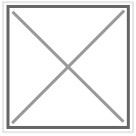
PRODUCT SYNONYMS

HDAC2; Active; RPD3; YAF1; HDAC2 recombinant protein

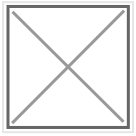
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for HDAC2 recombinant protein	WB (Western Blot), HDAC (Histone Deacetylase Assay)
Tag	GST
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 HDAC2 recombinant protein	Full-length recombinant human HDAC2 was expressed by baculovirus in Sf9 insect cells using a C-terminal GST tag. The gene accession number is NM_001527. HDAC2 or Histone deacetylase 2 belongs to the histone deacetylase family that acts via the formation of large multiprotein complexes, and is responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). HDAC2 forms transcriptional repressor complexes by associating with many different proteins and plays an important role in transcriptional regulation, cell cycle progression and developmental events. HDAC2 functions in modulating synaptic plasticity and long-lasting changes of neural circuits, which in turn negatively regulates learning and memory (1). HDAC1 and HDAC2 are functionally redundant in cardiac growth and development and they maintain cardiomyocyte identity and function (2).
Product Categories/Family for HDAC2 recombinant protein	Histone Deacetylases; Cancer; Cell Cycle; Inflammation

References	1. Guan, J.S.. et.al: HDAC2 negatively regulates memory formation and synaptic plasticity. Nature 459: 55-60, 2009. 2. Montgomery, R. L. et.al: Histone deacetylases 1 and 2 redundantly regulate cardiac morphogenesis, growth, and contractility. Genes Dev. 21: 1790-1802, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_001527
Molecular Weight	~92kDa

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.

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Online datasheet: https://stage.aaabiotech.com/hdac2-recombinant-protein-sf9-insect-cells-wb-western-blot-hdac-histone-deacetylase-assay/73597