

HDAC2 active protein

HDAC2 (full-length) (human), (recombinant)

CATALOG # AAA77050	HOST Insect cells
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PRODUCT SYNONYMS

HDAC2; HDAC2 (full-length) (human); (recombinant); HDAC2 active protein

PRODUCT SPECIFICATIONS

Host	Insect cells
Purity/Purification	Partially purified by single-step affinity chromatography and gel filtration
Form/Format	Liquid. In 50mM TRIS, pH8.0, 138 mM NaCl and 10% glycerol
Source	Produced in insect cells. Produced in a baculovirus expression system
Sequence	HDAC2 from human cDNA. Sequence is identical to residues 1-582 at Genbank accession# NM_00157.2
Specific Activity	≥0.5 U/ug. One U=1 pmol/min at 37 degree C, 100 uM FLUOR DE LYS - SIRT1 substrate (p53K(Ac)-382 fluorogenic substrate)
Note	The enzyme is stable on ice for the time typically required to set up an experiment (30 min-60 min) but may lose activity with prolonged storage on ice. It is recommended that thawing and dilution of the enzyme be done within as short a time as possible before start of the assay. The remaining, unused, undiluted enzyme should be refrozen quickly. For example, snap freezing in a dry/ice ethanol bath or liquid nitrogen. Freezing and storage of diluted enzyme is not recommended
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	For long term storage, store at -80 degree C Shipping: Shipped on Dry Ice

ADDITIONAL INFORMATION

Related Product Information for HDAC2 active protein	HDAC2, like the highly homologous HDAC1, is a class I HDAC first identified as a human homolog of the yeast histone deacetylase Rpd3. HDAC2 found, along with HDAC1 in the Sin3, NuRD. In contrast to class II HDACs, which repress cardiac hypertrophy, HDAC2 activity is required for the cardiac hypertrophic response.
Product Categories/Family for HDAC2 active protein	Cellular Analysis; Cell Death; Stem Cells; Epigenetics; Histone Posttranslational Modifications; Proteostasis; Posttranslational Modifications; Proteolysis & Protein Degradation

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q92769
Molecular Weight	~66kDa
UniProt Protein Name	Histone deacetylase 2
UniProt Gene Name	HDAC2
UniProt Synonym Gene Names	HD2
UniProt Entry Name	HDAC2_HUMAN

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/insect-cells-active-protein/hdac2/77050>