

HDAC3 recombinant protein

HDAC3, Active

CATALOG # AAA73598	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

HDAC3; Active; HD3; RPD3; RPD3-2; HDAC3 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 HDAC3 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 HDAC3 recombinant protein	Full-length recombinanthuman HDAC3 was expressed by baculovirus in Sf9 insect cells using aC-terminal GST tag. The gene accession number isNM_003883. HDAC3 or Histone deacetylase 3 belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex that represses transcription when tethered to a promoter. HDAC3 may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. HDAC3 can also down-regulate p53 function and thus modulate cell growth and apoptosis. Catalytic domain of HDAC4 can interact with HDAC3 via the transcriptional corepressor NCOR2 (1). RELA is a nonhistone substrate of HDAC3 and IKBA-dependent nuclear export of the HDAC3-deacetylated RELA replenishes the depleted cytoplasmic pool of latent NFKB-IKBA complexes (2).
Product Categories/Family for HDAC3 recombinant protein	Histone Deacetylases ; Cancer ; Cell Cycle ; Inflammation

References

1. Chen, L. et. al: Duration of nuclear NF-kappa-B action regulated by reversible acetylation. Science 293: 1653-1657, 2001.
2. Fischle, W. et al: Enzymatic activity associated with class II HDACs is dependent on a multiprotein complex containing HDAC3 and SMRT/N-CoR. Molec. Cell 9: 45-57, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_003883](#)

Molecular Weight

~83kDa

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/hdac3-recombinant-protein-sf9-insect-cells-wb-western-blot-hdac-histone-deacetylase-assay/73598>