

HDAC7 recombinant protein

HDAC7, Active

CATALOG # AAA73604	HOST Sf9 insect cells	APPLICATIONS Western Blot
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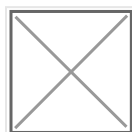
PRODUCT SYNONYMS

HDAC7; Active; HD7A; HDAC7A; DKFZp586J0917; FLJ99588; HDAC7 recombinant protein

PRODUCT SPECIFICATIONS

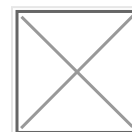
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for HDAC7 recombinant protein	WB (Western Blot), HDAC (Histone Deacetylase Assay)
Tag	GST
Species	Human
Dry Ice 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 HDAC7 recombinant protein	Recombinant human HDAC7 (501-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_015401. HDAC7 or Histone deacetylase 7 belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. The protein encoded by HDAC7 gene has sequence homology to members of the histone deacetylase family whose protein promotes repression mediated via the transcriptional co-repressor SMRT (1). HDAC7 interacts with beta-catenin keeping endothelial cells in a low proliferation stage. HDAC7 regulates NUR77 and apoptosis in developing thymocytes (2). HDAC7 is expressed in human osteoarthritis that contributes to cartilage degradation via promoting MMP-13 gene expression.
Product Categories/Family for HDAC7 recombinant protein	Histone Deacetylases ; Cancer ; Cell Cycle ; Inflammation
References	1. Kao, H. Y. et.al: Isolation of a novel histone deacetylase reveals that class I and class II deacetylases promote SMRT-mediated repression. Genes Dev. 14: 55-66, 2000. 2. Dequiedt, F. et.al: HDAC7, a thymus-specific class II histone deacetylase, regulates Nur77 transcription and TCR-mediated apoptosis. Immunity 18: 687-698, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_015401
Molecular Weight	~80kDa

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/hdac7-recombinant-protein-sf9-insect-cells-wb-western-blot-hdac-histone-deacetylase-assay/73604>