

HDAC4 recombinant protein

HDAC4, Active

CATALOG # AAA73600	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

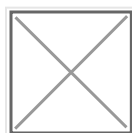
PRODUCT SYNONYMS

HDAC4; Active; HA6116; HD4; HDAC-A; HDACA; KIAA0288; HDAC4 recombinant protein

PRODUCT SPECIFICATIONS

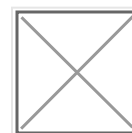
Host	Sf9 insect cells
Specificity	80RLU/min/ng
Purity/Purification	>95%
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.05ug/ul (varies by lot)
Applicable Applications for HDAC4 recombinant 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

The purity of HDAC4 was determined to be >70% by densitometry. Approx. MW 155kDa.



Activity

The specific activity of HDAC4 was determined to be 80 RLU/min/ng as per activity assay protocol

ADDITIONAL INFORMATION

Related Product Information for HDAC4 recombinant protein	<p>Recombinant human HDAC4 (101-end) was expressed by baculovirus in Sf9 insect cells using an C-terminal GST tag. The gene accession number is NM_006037.</p> <p>HDAC4 or Histone deacetylase 4 belongs to class II of the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex that represses transcription when tethered to a promoter. HDAC4 does not bind DNA directly, but through transcription factors MEF2C and MEF2D. Binding of the N terminus of HDAC4 to MEF2C represses MEF2C transcription activity. The catalytic domain of HDAC4 interacts with HDAC3 via the transcriptional corepressor NCOR2. Suppression of HDAC4 binding to NCOR2 and to HDAC3 results in loss of enzymatic activity associated with HDAC4.</p>
---	---

Product Categories/Family for HDAC4 recombinant protein	Histone Deacetylases; Cancer; Cell Cycle; Inflammation
References	1. Wang, A. H. et al: HDAC4, a human histone deacetylase related to yeast HDA1, is a transcriptional corepressor. Molec. Cell. Biol. 19: 7816-7827, 1999. 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_006037
---------------------------	-----------

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/hdac4-recombinant-protein-sf9-insect-cells-wb-western-blot-hdac-histone-deacetylase-assay/73600>