

HDAC9 recombinant protein

HDAC9, Active

CATALOG # AAA73607	HOST Sf9 insect cells	APPLICATIONS Western Blot
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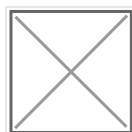
PRODUCT SYNONYMS

HDAC9; Active; DKFZp779K1053; HD7; HDAC; HDAC7; HDAC7B; HDAC9B; HDAC9FL; HDRP; KIAA0744; MITR; HDAC9 recombinant protein

PRODUCT SPECIFICATIONS

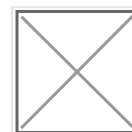
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for HDAC9 recombinant protein	WB (Western Blot), HDAC (Histone Deacetylase Assay)
Tag	GST
Species	Human
Dry Ice 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 HDAC9 recombinant protein	<p>Recombinant human HDAC9 (548-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_058176.</p> <p>HDAC9 or MITR belongs to the histone deacetylase /acuc/apha family and is a component of the histone deacetylase complex. HDAC9 gene is orthologous to the Xenopus and mouse MITR genes (MEF2-interacting transcription repressor). HDAC9 represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. HDAC9 is a calcium-sensitive transcriptional repressor of MEF2 (1). Binding of calmodulin to HDAC9 leads to its dissociation from MEF2, relieving MEF2 from the transcriptional repression. HDAC9 is a signal-responsive transcriptional repressor in mouse skeletal muscle that is downregulated upon denervation (2).</p>
Product Categories/Family for HDAC9 recombinant protein	Histone Deacetylases ; Cancer ; Cell Cycle ; Inflammation

References

1. Youn, H-D. et al: Calcium regulates transcriptional repression of myocyte enhancer factor 2 by histone deacetylase 4. J. Biol. Chem. 275: 22563-22567, 2000.
2. Mejat, A. et al: Histone deacetylase 9 couples neuronal activity to muscle chromatin acetylation and gene expression. Nature Neurosci. 8: 313-321, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_058176](#)

Molecular Weight

~77kDa

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/hdac9-recombinant-protein-sf9-insect-cells-wb-western-blot-hdac-histone-deacetylase-assay/73607>