

Datasheet for ABIN7564911
HDAC9 Protein (AA 1-588) (His tag)



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Overview

Quantity:	1 mg
Target:	HDAC9
Protein Characteristics:	AA 1-588
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HDAC9 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Hdac9 Protein expressed in mammalian cells.
Sequence:	<p>MHSMISSVDV KSEVPMGLEP ISPLDLRTDL RMMMPVVDPV VREKQLQQEL LLIQQQQIQ KQLLIAEFQK QHENLTRQH AQLQEHKEL LAIKQQQELL EKEQKLEQQR QEQUEVERHRR EQLPLPLRGK DRGRERAVAS TEVKQKLQEF LLSKSATKDT PTNGKNHSVG RHPKLWYTAA HHTSLDQSSP PLSGTSPSYK YTLPGAQDSK DDFPLRKTAS EPNLKVRSRL KQKVAERRSS PLLRKDGNL VTSFKKRVFE VAESSVSSSS PGSGPSSPNN GPAGNVTENE ASALPPTPHP EQLVPQQRIL IHEDSMNLLS LYTSPSLPNI TLGLPAVPSP LNASNSLKDK QKCETQMLRQ GVPLPSQYGS SIAASSSHVH VAMEGKPNSS HQALLQHLL KEQMRQQKLL VAGGVPLHPQ SPLATKERIS PGIRGTHKLP RHRPLNRTQS APLPQSTLAQ LVIQQHHQQF LEKQKQYQQQ IHMNKLLSKS IEQLKQPGSH LEEAEEELQG DQSMEDRAAS KDNSARSDSS ACVEDTLGQV GAVKVKEEPV DSEDAQIQE MECGEQAAFM QQVIGKDLAP GFVIKVII Sequence without tag.</p> <p>The proposed Purification-Tag is based on experiences with the expression system, a</p>

different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	HDAC9
Alternative Name:	Hdac9 (HDAC9 Products)
Background:	<p>Histone deacetylase 9 (HD9) (EC 3.5.1.98) (Histone deacetylase 7B) (HD7b) (Histone deacetylase-related protein) (MEF2-interacting transcription repressor MITR),FUNCTION: Devoided of intrinsic deacetylase activity, promotes the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) by recruiting HDAC1 and HDAC3. Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Represses MEF2-dependent transcription, inhibits skeletal myogenesis and may be involved in heart development. Protects neurons from apoptosis, both by inhibiting JUN phosphorylation by MAPK10 and by repressing JUN transcription via HDAC1 recruitment to JUN promoter.</p> <p>{ECO:0000269 PubMed:11390982, ECO:0000269 PubMed:12202037, ECO:0000269 PubMed:15711539, ECO:0000269 PubMed:16611996}.</p>

Target Details

Molecular Weight:	65.7 kDa
UniProt:	Q99N13
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months