

Datasheet for ABIN3092927 HDAC9 Protein (AA 1-1011) (Strep Tag)



Overview

Quantity:	250 µg
Target:	HDAC9
Protein Characteristics:	AA 1-1011
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HDAC9 protein is labelled with Strep Tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS), ELISA

Product Details

Brand:	AliCE®
Sequence:	MHSMISSVDV KSEVPVGLEP ISPLDLRTDL RMMMPVVDPV VREKQLQQEL LLIQQQQQIQ
	KQLLIAEFQK QHENLTRQHQ AQLQEHIKEL LAIKQQQELL EKEQKLEQQR QEQEVERHRR
	EQQLPPLRGK DRGRERAVAS TEVKQKLQEF LLSKSATKDT PTNGKNHSVS RHPKLWYTAA
	HHTSLDQSSP PLSGTSPSYK YTLPGAQDAK DDFPLRKTAS EPNLKVRSRL KQKVAERRSS
	PLLRRKDGNV VTSFKKRMFE VTESSVSSSS PGSGPSSPNN GPTGSVTENE TSVLPPTPHA
	EQMVSQQRIL IHEDSMNLLS LYTSPSLPNI TLGLPAVPSQ LNASNSLKEK QKCETQTLRQ
	GVPLPGQYGG SIPASSSHPH VTLEGKPPNS SHQALLQHLL LKEQMRQQKL LVAGGVPLHP
	QSPLATKERI SPGIRGTHKL PRHRPLNRTQ SAPLPQSTLA QLVIQQQHQQ FLEKQKQYQQ
	QIHMNKLLSK SIEQLKQPGS HLEEAEEELQ GDQAMQEDRA PSSGNSTRSD SSACVDDTLG
	QVGAVKVKEE PVDSDEDAQI QEMESGEQAA FMQQPFLEPT HTRALSVRQA PLAAVGMDGL
	EKHRLVSRTH SSPAASVLPH PAMDRPLQPG SATGIAYDPL MLKHQCVCGN STTHPEHAGR

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN3092927 | 02/26/2025 | Copyright antibodies-online. All rights reserved. IQSIWSRLQE TGLLNKCERI QGRKASLEEI QLVHSEHHSL LYGTNPLDGQ KLDPRILLGD DSQKFFSSLP CGGLGVDSDT IWNELHSSGA ARMAVGCVIE LASKVASGEL KNGFAVVRPP GHHAEESTAM GFCFFNSVAI TAKYLRDQLN ISKILIVDLD VHHGNGTQQA FYADPSILYI SLHRYDEGNF FPGSGAPNEV GTGLGEGYNI NIAWTGGLDP PMGDVEYLEA FRTIVKPVAK EFDPDMVLVS AGFDALEGHT PPLGGYKVTA KCFGHLTKQL MTLADGRVVL ALEGGHDLTA ICDASEACVN ALLGNELEPL AEDILHQSPN MNAVISLQKI IEIQSMSLKF S Sequence without tag. The proposed Strep-Tag is based on experience s with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made in Germany from design to production by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

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.

Expression System:

- ALICE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for
 protein production are removed, leaving only the protein production machinery and the
 mitochondria to drive the reaction. During our lysate completion steps, the additional
 components needed for protein production (amino acids, cofactors, etc.) are added to
 produce something that functions like a cell, but without the constraints of a living system all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.

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Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression
	System (AliCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	HDAC9
Alternative Name:	HDAC9 (HDAC9 Products)
Background:	Histone deacetylase 9 (HD9) (EC 3.5.1.98) (Histone deacetylase 7B) (HD7) (HD7b) (Histone deacetylase-related protein) (MEF2-interacting transcription repressor MITR),FUNCTION: Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). 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. {ECO:0000269 PubMed:11535832}., FUNCTION: Isoform 3 lacks active site residues and therefore is catalytically inactive. Represses MEF2-dependent transcription HDAC1 and/or HDAC3. Seems to inhibit skeletal myogenesis and to 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.
Molecular Weight:	111.3 kDa
UniProt:	Q9UKV0
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.
Comment:	ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from Nicotiana tabacum c.v This contains all the protein expression machinery needed to produce

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	even the most difficult-to-express proteins, including those that require post-translational modifications.
	During lysate production, the cell wall and other cellular components that are not required for
	protein production are removed, leaving only the protein production machinery and the
	mitochondria to drive the reaction. During our lysate completion steps, the additional
	components needed for protein production (amino acids, cofactors, etc.) are added to produce
	something that functions like a cell, but without the constraints of a living system - all that's
	needed is the DNA that codes for the desired protein!
Restrictions:	For Research Use only
Handling	
Handling Format:	Liquid
	Liquid The buffer composition is at the discretion of the manufacturer.
Format:	· · · · · · · · · · · · · · · · · · ·
Format:	The buffer composition is at the discretion of the manufacturer.
Format: Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein.
Format: Buffer: Handling Advice:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol Might differ depending on protein. Avoid repeated freeze-thaw cycles.