Datasheet for ABIN5713106

HDAC4 Protein (AA 1-227, partial) (GST tag)

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1 Image

Overview

Quantity:	100 µg
Target:	HDAC4
Protein Characteristics:	AA 1-227, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HDAC4 protein is labelled with GST tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MSSQSHPDGL SGRDQPVELL NPARVNHMPS TVDVATALPL QVAPSAVPMD LRLDHQFSLP VAEPALREQQ LQQELLALKQ KQQIQRQILI AEFQRQHEQL SRQHEAQLHE HIKQQQEMLA MKHQQELLEH QRKLERHRQE QELEKQHREQ KLQQLKNKEK GKESAVASTE VKMKLQEFVL NKKKALAHRN LNHCISSDPR YWYGKTQHSS LDQSSPPQSG VSTSYNH
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	HDAC4
Alternative Name:	HDAC4 (HDAC4 Products)
Background:	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones

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Target Details

	(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. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer.
Molecular Weight:	53.7 kDa
UniProt:	P56524
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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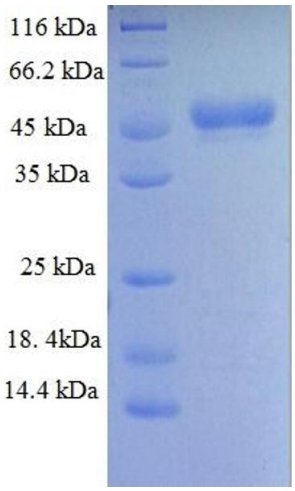

SDS-PAGE
Image 1.

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