Datasheet for ABIN5713110

HDAC7 Protein (AA 1-164, partial) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	HDAC7
Protein Characteristics:	AA 1-164, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HDAC7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	PGADGTQVSP GAHYCSPTGA GCPRPCADTP GPQPQPMDLR VGQRPPVEPP PEPTLLALQR PQRLHHHLFL AGLQQQRSVE PMRLSMDTPM PELQVGPQEQ ELRQLLHKDK SKRSAVASSV VKQKLAEVIL KKQQAALERT VHPNSPGIPY RTLEPLETEG ATRSMLSSFL PPVPSLPSDP PEHFPLRKTV SEPNLKLRYK
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	HDAC7
Alternative Name:	HDAC7 (HDAC7 Products)
Background:	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones

Target Details

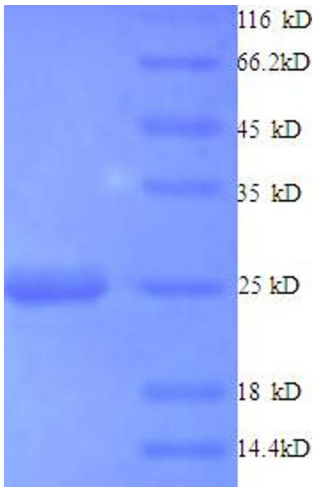
	(H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation by repressing transcription of myocyte enhancer factors such as MEF2A, MEF2B and MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors . May be involved in Epstein-Barr virus (EBV) latency, possibly by repressing the viral BZLF1 gene. Positively regulates the transcriptional repressor activity of FOXP3 .
Molecular Weight:	26.1 kDa
UniProt:	Q8WUI4
Pathways:	Regulation of Muscle Cell Differentiation, Cell-Cell Junction Organization, Skeletal Muscle Fiber Development

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.



SDS-PAGE

Image 1.

