

Recombinant Human HDAC9 protein, His & T7-tagged

Cat. No. HDAC9-1372H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC9 aa. (Pro23~Ala343 (Accession # Q9UKV0) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro23~Ala343
Description	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.1kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 9.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	HDAC9 histone deacetylase 9 [Homo sapiens (human)]
Official Symbol	HDAC9
Synonyms	HDAC9; histone deacetylase 9; HD7; HD9; HD7b; HDAC; HDRP; MITR; HDAC7; HDAC7B; HDAC9B; HDAC9FL; MEF-2 interacting transcription repressor (MITR) protein; histone deacetylase 4/5-related protein; histone deacetylase 7B
Gene ID	9734

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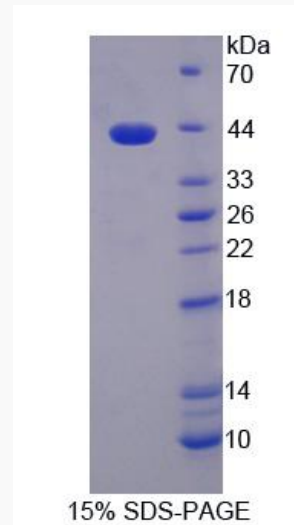
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mRNA Refseq [NM_001204144.2](#)

Protein Refseq [NP_001191073.1](#)

UniProt ID [Q9UKV0](#)

SDS-PAGE



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