

Recombinant Full Length Human HDAC9 Protein, GST-tagged

Cat. No. HDAC9-3434HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HDAC9 full-length ORF (NP_848512.1, 1 a.a. - 1069 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1069 amino acids
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. [provided by RefSeq
Molecular Mass	144 kDa
AA Sequence	MHSMISSVDVKSEVPVVGLEPISPLDLRTDLRMMMPVVDPPVREKQLQQEELLIQQQ QQIQKQLLIAEFQKQHENLTRQHQAQLQEHKLQQELLAIKQQQELLEKEQKLEQQR QEQEVERHRREQQLPPLRGKDRGRERAVASTEVEKQKLQEFLLSKSATKDTPTNGK

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NHSVSRHPKLWYTAAHHTSLDQSSPPLSGTSPSYKYTLPGAQDAKDDFPLRKTASE
 PNLKVR SRLKQKVAERRSSPLLRRKDGNNVTSFKKRMFEVTESSVSSSSPGSGPSS
 PNNGPTGSVTENETSVLPPTPHAEQMVSQQRILIHEDSMNLLSLYTSPSLPNITLGLP
 AVPSQLNASNSLKEKQKCETQTLRQGVPLPGQYGGSSIPASSSHPHVTLEGKPPNSS
 HQALLQHLLLEQMRQQKLLVAGGVPLHPQSPLATKERISPGIRGTHKLPRHRPLNR
 TQSAPLPQSTLAQLVIQQHQQFLEKQKQYQQQIHMNKLLSKSIEQLKQPGSHLEEA
 EEELQGDQAMQEDRAPSSGNSTRSDSSACVDDTLGQVGAVKVKEEPVDSDEDAQI
 QEMESGEQA AFMQPPFLEPTHTRALSVRQAPLA AVGMDGLEKHRLVSRTHSSPAA
 SVLPHPAMDRPLQPGSATGIAYDPLMLKHQCVCGNSTTHPEHAGRIQSIWSRLQET
 GLLNKCERIQGRKASLEEIQLVHSEHHSLLYGTNPLDGQKLDPRILLGDDSQKFFSSL
 PCGGLGVSDTIWNLHSSGAARMAVGCVIELASKVASGELKNGFAVVRPPGHAE
 ESTAMGFCFFNSVAITAKYLRDQLNISKILIVDL DVHHGNGTQQAFYADPSILYISLHR
 YDEGNFFPGSGAPNEVGTGLGEGYNINIAWTGGLDPPMGDVEYLEAFRTIVKPKVAK
 EFDPMVLVSAGFDALEGHTPPLGGYKVTAKCFGHLTKQLMTLADGRVLALEGGH
 DLTAICDASEACVNALLGNELEPLAEDILHQSPNMNAVISLQKIIIEIQSKYWKSVRMVA
 VPRGCALAGAQLQEETETVSALASLTVDVEQPFAQEDSRTAGEPMEEEPAL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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Gene Name	HDAC9 histone deacetylase 9 [Homo sapiens]
Official Symbol	HDAC9
Synonyms	HDAC9; histone deacetylase 9; HD7; HDAC; HDAC7B; KIAA0744; MITR; histone deacetylase 7B; histone deacetylase 4/5-related protein; MEF-2 interacting transcription repressor (MITR) protein; HD9; HD7b; HDRP; HDAC7; HDAC9B; HDAC9FL; DKFZp779K1053;
Gene ID	9734
mRNA Refseq	NM_001204144
Protein Refseq	NP_001191073
MIM	606543
UniProt ID	Q9UKV0

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