

# Recombinant Full Length Human HDAC9 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human HDAC9 full-length ORF ( NP_848512.1, 1 a.a. - 1069 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	1069 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	144 kDa
<b>AA Sequence</b>	MHSMISSVDVKSEVPVGLPISPLDLRDLRMMMPVVDPPVREKQLQQELLIIQQQ QQIQKQLLIAEFQKQHENLTRQHQAQLQEHIKLLQELLAIKQQQELLEKEQKLEQQR QEQUEVERHRREQQLPPLRGKDRGRERAVASTEVEKQKLLQEFLLSKSATKDTPTNGK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NHSVSRHPKLWYTA AHHTSLDQSSPPLSGTSPSYKYTLPGAQDAKDDFPLRKTASE  
 PNLKVR SRLKQKVAERRSSPLLRRKDGNNVTSFKKRMFEVTESSVSSSSPGSGPSS  
 PNNGPTGSVTENETSVLPPTPHAEQMVSQQRILIHEDSMNLLSLYTSPSLPNITLGLP  
 AVPSQLNASNSLKEKQKCETQTLRQGVPLPGQYGGSSIPASSSHPHVTLEGKPPNSS  
 HQALLQHLLLKEQMRQQKLLVAGGVPLHPQSPLATKERISPGIRGTHKLPRHRPLNR  
 TQSAPLPQSTLAQLVIQQQHQQFLEKQKQYQQQIHMNKLLSKSIEQLKQPGSHLEEA  
 EEELQGDQAMQEDRAPSSGNSTRSDSSACVDDTLGQVGAVKVKEEPVDSDEDAQI  
 QEMESGEQA AFMQPPFLEPTHTRALSVRQAPLAAVGM DGLEKHRLVSRTHSSPAA  
 SVLPHPAMDRPLQPGSATGIA YDPLMLKHQCVCGNSTTHPEHAGRIQSIWSRLQET  
 GLLNKCERIQGRKASLEEIQLVHSEHSLLYGTNPLDGGQLDPRILLGDDSQKFFSSL  
 PCGGLGVSDTIWNE LHSSGAARMAVGCVIELASKVASGELKNGFAVVRPPGHAE  
 ESTAMGFCFFNSVAITAKYLRDQLNISKILIVDL DVHHGNGTQQAFYADPSILYSLHR  
 YDEGNFFPGSGAPNEVGTGLGEGYNINIAWTGGLDPPMGDVEYLEAFRTIVKPKVAK  
 EFDPMVLVSAGFDALEGH TPPLGGYKVTAKCFGHLTKQLM TLADGRVVLAELEGH  
 DLTAICDASEACVNALLGNELEPLAEDILHQSPNMNAVISLQKII EIQSKYWKSVRMVA  
 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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<b>Gene Name</b>	HDAC9 histone deacetylase 9 [ Homo sapiens ]
<b>Official Symbol</b>	HDAC9
<b>Synonyms</b>	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;
<b>Gene ID</b>	9734
<b>mRNA Refseq</b>	NM_001204144
<b>Protein Refseq</b>	NP_001191073
<b>MIM</b>	606543
<b>UniProt ID</b>	Q9UKV0

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