

## Recombinant Human HDAC9 Protein, GST-tagged

**Cat. No.** HDAC9-4652H    **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>	Wheat Germ
<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>	MHSMISSVDVKSEVPVGLPISPLDLRDLRMMMPVVDPPVREKQLQQEQLLIQQQ QQIQKQLLIAEFQKQHENLTRQHQAQLQEHIKLLQQLLAIKQQQELLEKEQKLEQQR QEQEVERHRREQQLPPLRGKDRGRERAVASTEVKQKLQEFLLSKSATKDTPTNGK NHSVSRHPKLWYTAAHHTSLDQSSPPLSGTSPSYKYTLPGAQDAKDDFPLRKTASE

 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

PNLKVRSRLKQKVAERRSSPLLRRKDGNNVTSFKKRMFEVTESSVSSSSPGSGPSS  
 PNNGPTGSVTENETSVLPPTPHAEQMVSQQRILIHEDSMNLLSLYTSPSLPNITLGLP  
 AVPSQLNASNSLKEKQKCETQTLRQGVPLPGQYGGSSIPASSSSHPhVTLEGKPPNSS  
 HQALLQHLLLKEQMRQQKLLVAGGVPLHPQSPLATKERISPGIRGTHKLPRHRPLNR  
 TQSAPLPQSTLAQLVIQQQHQQFLEKQKQYQQQIHMNKLLSKSIEQLKQPGSHLEEA  
 EEELQGDQAMQEDRAPSSGNSTRSDSSACVDDTLGQVGAVKVKEEPVDSDEDAQI  
 QEMESGEQA AFM QQP FLEPTHTRALSVRQAPLAAVGM DGLEKHRLVSRTHSSPAA  
 SVLPH PAMDRPLQPGSATGIA YDPLMLKHQCVCGNSTTHPEHAGRIQSIWSRLQET  
 GLLNK CERIQGRKASLEEIQLVHSEHSLLYGTNPLDGQKLDPRILLGDDSQKFFSSL  
 PCGGLGVSDTIWNE LHSSGAARMAVGCVIELASKVASGELKNGFAVVRPPGHAE  
 ESTAMGFCFFNSVAITAKYLRDQLNISKILIVDL DVH HNGTQQAFYADPSILYISLHR  
 YDEGNFFPGSGAPNEVGTGLGEGYNINIAWTGGLDPPMGDVEYLEAFRTIVKPKVAK  
 EFD PDMVLVSAGFDALEGHTPPLGGYKVTAKCFGHLTKQLMTLADGRVVLAELEGGH  
 DLTAICDASEACVNALLGNELEPLAEDILHQSPNMNAVISLQKIIIEIQSKYWKSVRMVA  
 VPRGCALAGAQLQEETETVSALASLTV DVEQPFAQEDSRTAGEPMEEEPAL

**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

**Gene Name**

[HDAC9 histone deacetylase 9 \[ Homo sapiens \]](#)

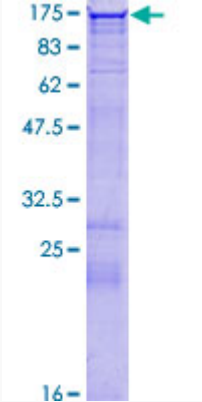
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<b>Official Symbol</b>	HDAC9
<b>Synonyms</b>	HDAC9; histone deacetylase 9; HD7; HDAC; HDAC7B; KIAA0744; MITR; histone deacetylase 7B; histone deacetylase 4/5-related protein; MEF-2 interacting transcription repressor (MITR) protein; HD9; HD7b; HDRP; 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

**Quality Control Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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