

## Recombinant Human HDAC4 Protein, GST-tagged

**Cat. No.** HDAC4-4645H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human HDAC4 full-length ORF ( AAH39904.1, 1 a.a. - 972 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	<p>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 belongs to class II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3. [provided by RefSeq]</p>
<b>Molecular Mass</b>	132.8 kDa
<b>AA Sequence</b>	<p>MLAMKHQQELLEHQRKLERHRQEQELEKQHREQKLQQLKNKEKGKESAVASTEVK  MKLQEFVLNKKKALAHRNLNHCISDPRYWYGKTQHSSLDQSSPPQSGVSTSYNH  PVLGMYDAKDDFPLRKTASEPNLKLRSRLKQKVAERRSSPLLRKDGPPVVTALKKR  PLDVTDSACSSAPGSGPSSPNNSSGSVSAENGIAPAVPSIPAETSLAHLVAREGSA  APLPLYTSPSLPNITLGLPATGPSAGTAGQQDAERLTLPALQQRSLFPGTHLTPYLS  TSPLERDGGAAHSPLLQHMVLEQPPAQAPLVTDWYLSGLGALPLHAQSLVGADRV</p>

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

SPSIHKLRQHRPLGRTQSAPLPQNAQALQHLVIQQQHQQFLEKHKQQFQQQQQLQM  
 NKIIPKPSEPARQPESHPEETEEELREHQALLDEPYLDRLPGQKEAHAQAGVQVKQE  
 PIESDEEEAEPREVEPGQRQPSEQELLFRQQALLLEQQRIHQLRNYQASMEAAGIP  
 VSFGGHRPLSRAQSSPASATFPVSVQEPPTKPRFTTGLVYDTLMLKHQCTCGSSSS  
 HPEHAGRIQSIWSRLQETGLRGKCECIRGRKATLEELQTVHSEAHTLLYGTNPLNRQ  
 KLDSKLLGLSLASV FVRLPCGGVGVDSDTIWNEVHSAGAARLAVGCVVELVFKVAT  
 GELKNGFAVVRPPGHAEESTPMGFCYFNSVAVAAKLLQQRLSVSKILIVDWDVHH  
 GNGTQQAFYSDPSVLYMSLHRYDDGNFFPGSGAPDEVGTGPGVGFNVNMAFTGG  
 LDPPMGDAEYLA AFRTVVMPIASEFAPDVVLVSSGFDAVEGHPTPLGGYNLSARCF  
 GYLTKQLMGLAGGRIVLALEGGHDLTAICDASEACVSALLGNELDPLPEKVLQQRPN  
 ANAVRSMEKVMEIHSKYWRCLQRTTSTAGRSLIEAQCENEEAETVTAMASLSVGV  
 KPAEKRPDEEPMEEEEPL

**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**

HDAC4 histone deacetylase 4 [ Homo sapiens ]

**Official Symbol**

HDAC4

**Synonyms**

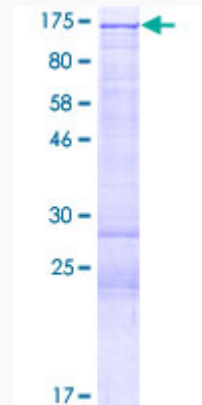
HDAC4; histone deacetylase 4; HA6116; HD4; HDAC 4; HDAC A; HDACA;

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KIAA0288; histone deacetylase A; AHO3; BDMR; HDAC-4; HDAC-A;

**Gene ID** 9759**mRNA Refseq** NM\_006037**Protein Refseq** NP\_006028**MIM** 605314**UniProt ID** P56524**Quality Control  
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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