

Recombinant Human HDAC4 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human HDAC4 full-length ORF (AAH39904.1, 1 a.a. - 972 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 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]
Molecular Mass	132.8 kDa
AA Sequence	MLAMKHQQELLEHQRKLERHRQE QELEKQHREQKLQQLKNKEKGKESAVASTEVEK MKLQEFVLNKKKALAHRLNLNHCISDPRYWYGKTQHSSLDQSSPPQSGVSTSYNH PVLGMYDAKDDFPLRKTASEPNLKLRSRLKQKVAERRSSPLLRRKDGPVVTALKKR PLDVTDSACSSAPGSGPSSPNNSSGSVSAENGIAPAVPSIPAETSLAHLRVAREGSA APLPLYTSPSLPNITLGLPATGPSAGTAGQQDAERLTLPALQQRSLFPGTHLTPYLS TSPLERDGGAAHSPLLQHMVLEQPPAQAPLVTDWYLSGLGALPLHAQSLVGADRV

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SPSIHKLRQHRPLGRTQSAPLPQNAQALQHLVIQQHQQFLEKHKQQFQQQQLQM
 NKIIPKPSEPARQPESHPEETEEELREHQALLDEPYLDRLPGQKEAHAQAGVQVKQE
 PIESDEEEAEPPREVEPGQRQPSEQELLFRQQALLLEQQRIHQRLNYQASMEAAGIP
 VSFGGHRPLSRAQSSPASATFPVSVQEPPTKPRFTTGLVYDTLMLKHQCTCGSSSS
 HPEHAGRIQSIWSRLQETGLRGKCECIRGRKATLEELQTVHSEAHTLLYGTNPLNRQ
 KLDSKLLGLSLASVFLVRLPCGGVGVDSDTIWNEVHSAGAARLAVGCVVELVFKVAT
 GELKNGFAVVRPPGHHAEEESTPMGFCYFNSVAVAAKLLQQRLSVSKILIVDWDVHH
 GNGTQQAFYSDPSVLYMSLHRYDDGNFFPGSGAPDEVGTGPGVGFNVNMAFTGG
 LDPPMGDAEYLAARFRTVVMPIASEFAPDVVLVSSGFAVEGHPTPLGGYNLSARCF
 GYLTKQLMGLAGGRIVLALEGGHDLTAICDASEACVSALLGNELDPLPEKVLQQRPN
 ANAVRSMEKVMIEHSKYWRCLQRTTSTAGRSLIEAQTCENEEAETVTAMASLSVG
 KPAEKRPDDEEPMEEEPPL

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

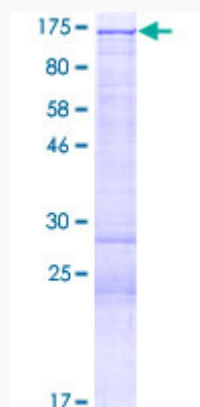
mRNA Refseq NM_006037

Protein Refseq NP_006028

MIM 605314

UniProt ID P56524

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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