

Recombinant Full Length Human HDAC4 Protein, GST-tagged

Cat. No. HDAC4-3613HF **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	In Vitro Cell Free System
ProteinLength	972 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 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	MLAMKHQQELLEHQKLERHRQEQELEKQHREQKLQQLKNKEKGKESAVASTEVK MKLQEFVLNKKKALAHRLNLNHCISDPRYWYGKTQHSSLDQSSPPQSGVSTSYNH PVLGMYDAKDDFPLRKTASEPNLKLRSRLKQKVAERRSSPLLRRKDGPPVTALKKR PLDVTDSACSSAPGSGPSSPNNSSGSVSAENGIAPAVPSIPAETSLAHLVAREGSA APLPLYTSPSLPNITLGLPATGPSAGTAGQQDAERLTLPALQQRSLFPGTHLTPYLS

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TSPLERDGGAAHSPLLQHMVLLEQPPAQAPLVTDWYLSGLGALPLHAQSLVGADRV
 SPSIHKLRQHRPLGRTQSAPLPQNAQALQHLVIQQQHQQFLEKHKQQFQQQQLQM
 NKIIPKPSEPARQPESHPEETEEELREHQALLDEPYLDRLPGQKEAHAQAGVQVKQE
 PIESDEEEAEPPREVEPGQRQPSEQELLFRQQALLLEQQRIHQLRNYQASMEAAGIP
 VSFGGHRPLSRAQSSPASATFPVSVQEPPTKPRFTTGLVYDTLMLKHQCTCGSSSS
 HPEHAGRIQSIWSRLQETGLRGKCECIRGRKATLEELQTVHSEAHTLLYGTNPLNRQ
 KLDSKLLGLSLASVFLVRLPCGGVGVDSDTIWNEVHSAGAARLAVGCVVELVFKVAT
 GELKNGFAVVRPPGHHAEEESTPMGFCYFNSVAVAAKLLQQRLSVSKILIVDWDVHH
 GNGTQQAFYS DPSVLVMSLHRYDDGNFFPGSGAPDEVGTGPGVGFNVNMAFTGG
 LDPPMGDAEYLAAFRTVVMPIASEFAPDVVLVSSGFDAVEGHPTPLGGYNLSARCF
 GYLTKQLMGLAGGRIVLALEGGHDLTAICDASEACVSALLGNELDPLPEKVLQQRPN
 ANAVRSMEKVMIEHSKYWRCLQRTTSTAGRSLEAQTCENEEAETVTAMASLSVG
 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

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

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