

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	MLAMKHQQELLEHQRKLERHRQELEKQHREQKLQQLKNKEKGKESAVASTEVK MKLQEFVLNKKKALAHRLNLNHCISDPRYWYGKTQHSSLDQSSPPQSGVSTSYNH PVLGMYDAKDDFPLRKTASEPNLKLRSRLKQKVAERRSSPLLRKDGPPVVTALKKR PLDVTDSACSSAPGSGPSSPNNSSGSVSAENGIAPAVPSIPAETSLAHRLVAREGSA APLPLYTSPSLPNITLGLPATGPSAGTAGQQDAERLTLPALQQRSLFPGTHLTPYLS

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TSPLERDGGAAHSPLLQHMVLEQPPAQAPLVTDWYLSGLGALPLHAQSLVGADRV
SPSIHKLRQHRPLGRTQSAPLPQNAQALQHLVIQQQHQQFLEKHKQQFQQQQLQM
NKIIPKPSEPARQPESHPEETEEELREHQALLDEPYLDRLPGQKEAHAQAGVQVKQE
PIESDEEEAEPPEVEPGQRQPSEQELLFRQQALLLEQQRIHQLRNYQASMEAAGIP
VSFGGHRPLSRAQSSPASATFPVSVQEPPTKPRFTTGLVYDTLMLKHQCTCGSSSS
HPEHAGRIQSIWSRLQETGLRGKCECIRGRKATLEELQTVHSEAHTLLYGTNPLNRQ
KLDSKLLGLSLASVFLVRLPCGGVGVSDTIWNEVHSAGAARLAVGCVVELVFKVAT
GELKNGFAVVRPPGHHAEEESTPMGFCYFNSVAVAAKLLQQRLSVSKILIVDWDVHH
GNGTQQAFYSDPSVLYMSLHRYDDGNFFPGSGAPDEVGTGPGVGFNVNMAFTGG
LDPPMGDAEYLAAFRTVVMPIASEFAPDVVLVSSGFDAVEGHPTPLGGYNLSARCF
GYLTKQLMGLAGGRIVLALEGGHDLTAICDASEACVSALLGNELDPLPEKVLQQRPN
ANAVRSMEKVMIEHSKYWRCLQRTTSTAGRSLIEAQCENEEAETVTAMASLSVGV
KPAEKRPDEEPMEEEEPL

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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Notes	Best use within three months from the date of receipt of this protein.
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Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
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Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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GENE INFORMATION

Gene Name	HDAC4 histone deacetylase 4 [Homo sapiens]
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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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