

Product datasheet for **TP311495M**

HDAC4 (NM_006037) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human histone deacetylase 4 (HDAC4), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC211495 representing NM_006037
Red=Cloning site Green=Tags(s)

MSSQSHPDGLSGRDQPVELLNPARVNHMPSTVDVATALPLQVAPSAVPMDLRLDHQFSLPVAEPALREQQ
 LQQELLALKKQKQIQRQILIAEFQRQHEQLSRQHEAQLHEHIKQQQEMLAMKHQQELLEHQRKLERHRQE
 QELEKQHREKQLQQLKNKEKGKESAVASTEVMKMLQEFVLNKKKALAHRLNHCISSDPRYWYGKTQHSS
 LDQSSPPQSGVSTSYNHPVLGMYDAKDDFPLRKTASEPNLKLRSRLKQKVAERRSSPLLRKDGPPVTAL
 KKRPLDVTDSACSSAPGSGPSSPNNSSGSVSAENGIAPAVPSIPAETSLAHLVAREGSAAPLPLYTSPS
 LPNITLGLPATGPSAGTAGQQDAERLTPALQQRSLFPGTHLTPYLSTSPLERDGGAAHSPLLQHMVLL
 EQPPAQAPLVTGLGALPLHAQSLVGADRVSPSIHKLRQHRPLGRTQSAPLPQNAQALQHLVIQQQHQQFL
 EKHKQQFQQQQLQMNKIIPKPSEPARQPESHPEETEEELREHQALLDEPYLDRLPGQKEAHAQAGVQVKQ
 EPIESDEEEAEPREVEPGQRQPSEQELLFRQQALLLEQQRIHQLRNYQASMEAAGIPVSFGGHRPLSRA
 QSSPASATFPVSVQEPPTKPRFTTGLVYDTLMLKHQCTCGSSSSHPEHAGRIQSIWSRLQETGLRGKCEC
 IRGRKATLEELQTVHSEAHTLLYGTNPLNRQKLDSSKLLGSLASVFVRLPCGGVGVSDTIWNEVHSAGA
 ARLAVGCVVELVFKVATGELKNGFAVVRPPGHHAEEESTPMGFCYFNSVAVAAKLLQQRSLVSKILIVDWD
 VHHGNGTQQAFYSDPSVLYMSLHRYDDGNFFPGSGAPDEVTGPGVGFNVNMAFTGGLDPPMGDAEYLAA
 FRTVVMPIASEFAPDVVLVSSGFDVEGHPTPLGGYNLSARCFGYLTKQLMGLAGGRIVLALEGGHDLTA
 ICDASEACVSALLGNELDPLPEKVLQQRPNANAVRSMKVMIEHISKYWRCLQRTTSTAGRSLLIEAQTEN
 EEAETVTAMASLSVGVKPAEKRPDEEPMEEEPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

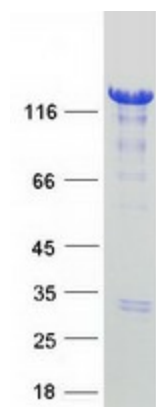
Tag: C-Myc/DDK
Predicted MW: 118.9 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Bioactivity:	Enzyme substrate (PMID: 25392528)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_006028
Locus ID:	9759
UniProt ID:	P56524
RefSeq Size:	8459
Cytogenetics:	2q37.3
RefSeq ORF:	3252
Synonyms:	AHO3; BDMR; HA6116; HD4; HDAC-4; HDAC-A; HDACA
Summary:	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, Jul 2008]
Protein Families:	Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified HDAC4 protein (Cat# [TP311495]). The protein was produced from HEK293T cells transfected with HDAC4 cDNA clone (Cat# [RC211495]) using MegaTran 2.0 (Cat# [TT210002]).