

Product datasheet for PH311495

HDAC4 (NM_006037) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HDAC4 MS Standard C13 and N15-labeled recombinant protein (NP_006028)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211495
Predicted MW:	118.9 kDa
Protein Sequence:	>RC211495 representing NM_006037 Red=Cloning site Green=Tags(s)

MSSQSHPDGLSGRDQPVPELLNPARVNHMPSTVDVATALPLQVAPSAVPMDLRLDHQFSLPVAEPALREQQ
LQQELLALKKQKQIQRQILIAEFQRQHEQLSRQHEAQLHEHIKQQQEMLAMKHQQELLEHQKLERHRQE
QELEKQHREQKLQQLKNKEKGKESAVASTEVMKMLQEFVLNKKKALAHRLNHCISSDPRYWGKTQHSS
LDQSSPPQSGVSTSYNHPVLGMYDAKDDFPLRKTASEPNLKLRSRLKQKVAERRSPLLRRKDGPVVITAL
KKRPLDVTDSACSSAPGSGPSSPNSSGSVSAENGIAPAVPSIPAETSLAHLRVAREGSAAPLPLYTSPS
LPNITLGLPATGPSAGTAGQQAERLTLPALQQLSLFPGTHLTPYLSTSPLELDGGAHSPLLQHMVLL
EQPPAQAPLVTGLGALPLHAQSLVGADRVSPSIHKLQRHRPLGRTQSAPLPQNAQALQHLVIQQQHQQFL
EKHKQQFQQQLQMNKIIPKPSEPARQPESHPEETEEELREHQALLDEPYLDRLPGQKEAHAQAGVQVQKQ
EPIESDEEEAEPREVEPGQRQPEQELLFRQQALLLEQQRHQLRNYQASMEAAGIPVSGGHRPLSRA
QSSPASATFPVSVQEPPTKPRFTTGLVYDTLMLKHQCTCGSSSSHPEHAGRIQSIWSRLQETGLRGKCEC
IRGRKATLEELQTVHSEHTLLYGTNPLNRQKLDKSKLLGSLASVVFVRLPCGGVGVSDTIWNEVHSAGA
ARLAVGCVVVELVKVATGELKNGFAVVRPPGHAAEESTPMGFYFNSVAVAAKLLQQRLSVSKILIVDWD
VHHGNGTQQAFYSDPSVLYMSLHRYDDGNFFPGSGAPDEVTGPGVGFNVNMAFTGGLDPPMGDAEYLA
FRTVVMP IASEFAPDVVLVSSGFDAVEGHPTPLGGYNLSARCFGYLTKQLMGLAGGRIVLALEGGHDLTA
ICDASEACVSALLGNELDPLPEKVLQQRPNANAVRSMEKVMEIHSKYWRCLQRTTSTAGRSLIEAQTCE
EEAETVTAMASLSVGKPAEKRPDEEPMEEEPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

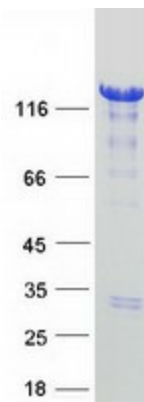
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006028
RefSeq Size:	8459
RefSeq ORF:	3252
Synonyms:	AHO3; BDMR; HA6116; HD4; HDAC-4; HDAC-A; HDACA
Locus ID:	9759
UniProt ID:	P56524
Cytogenetics:	2q37.3
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]).