

## Product datasheet for TP311495

### HDAC4 (NM\_006037) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human histone deacetylase 4 (HDAC4), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC211495 representing NM\_006037  
Red=Cloning site Green=Tags(s)

MSSQSHPDGLSGRDQPVELLNPARVNHMPSTVDVATALPLQVAPSAVPMDLRLDHQFSLPVAEPALREQQ  
 LQQELLALKKQKQIQRQILIAEFQRQHEQLSRQHEAQLHEHIKQQQEMLAMKHQQELLEHQRKLERHRQE  
 QELEKQHREKQLQQLKNKEKGKESAVASTEVMKMLQEFVLNKKKALAHRNLNHCISSDPRYWGKTQHSS  
 LDQSSPPQSGVSTSYNHPVLGMYDAKDDFPLRKTASEPNLKLRSRLKQKVAERRSSPLLRKDGPPVTAL  
 KKRPLDVTDSACSSAPGSGPSSPNNSSGSVSAENGIAPAVPSIPAETSLAHLVAREGSAAPLPLYTSPS  
 LPNITLGLPATGPSAGTAGQQAERLTLPALQQRSLFPGTHLTPYLSTSPLELDGGAHSPLLQHMVLL  
 EQPPAQAPLVTGLGALPLHAQSLVGADRVSPSIHKLQRHRPLGRTQSAPLPQNAQALQHLVIQQQHQQFL  
 EKHKQQFQQQQLQMNKIIPKPSEPARQPESHPEETEEELREHQALLDEPYLDRLPGQKEAHAQAGVQVKQ  
 EPIESDEEEAEPREVEPGQRQPSEQELLFRQQALLLEQQRIHQLRNYQASMEAAGIPVSFGGHRPLSRA  
 QSSPASATFPVSVQEPPTKPRFTTGLVYDTLMLKHQCTCGSSSSHPEHAGRIQSIWSRLQETGLRGKCEC  
 IRGRKATLEELQTVHSEAHTLLYGTNPLNRQKLDSSKLLGSLASVFRVLP CGGVGVSDTIWNEVHSAGA  
 ARLAVGCVVELVFKVATGELKNGFAVVRPPGHHAEEESTPMGFYFNSVAVAAKLLQQRSLVSKILIVDWD  
 VHHNGTQQAQFYSVLYMSLHRYDDGNFFPGSGAPDEVTGPGVGFNVNMAFTGGLDPPMGDAEYLAA  
 FRTVVMPIASEFAPDVVLVSSGFDVEGHPTPLGGYNLSARCFGYLTKQLMGLAGGRIVLALEGGHDLTA  
 ICDASEACVSALLGNELDPLPEKVLQQRPNANAVRSMKVMIEHISKYWRCLQRTTSTAGRSLLIEAQTEN  
 EEAETVTAMASLSVGVKPAEKRPDEEPMEEEPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

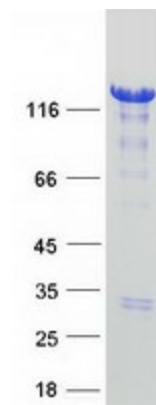
**Tag:** C-Myc/DDK  
**Predicted MW:** 118.9 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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