

Product datasheet for TP511598

Hdac4 (NM_207225) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse histone deacetylase 4 (Hdac4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211598 protein sequence Red =Cloning site Green =Tags(s)

MSSQSHPDGLSGRDQPVLLNPARVNHMPSTVDVATALPLQVAPTAVPMDLRLDHQFSLPLEPALREQQ
 QQELLALKQKQIQRQILIAEFQRQHEQLSRQHEAQLHEHIKQQQEMLAMKHQQELLEHRKLERHRREQ
 ELEKQHREKQLQQLKNKEKGKESAVASTEVMKMLQEFVNLKKKALHRNLNHCISSDPRYWYGKTQHSSL
 DQSSPPQSGVSASYNHPVLGMYDAKDDFPLRKTASEPNLKLRSRLKQKVAERRSPLLRRKDGVPVATALK
 KRPLDVTDSACSSAPGSGPSSPSSSGNVSTENGIAPTVPSPAETS LAHRLVTREGSVAPLPLYTSPSL
 PNITLGLPATGPAAGAAGQQDAERLALPALQQRILFPGTHLTPYLSTSPLELDGAAAHNPLLQHMVLEEQ
 PPTQTPLVTGLGALPLHSQSLVGADRVSPIHKLRQHRPLGRTQSAPLPQNAQALQHLVIQQQHQQFLEK
 HKQQFQQQLHLSKIISKPSEPPRQPESHPEETEELREHQALLDEPYLDRPLPGQKEPSLAGVQVKQEPI
 ESEEEEEAEATRETEPGQRPAEQELLFRQQALLLEQQRIHQLRNYQASMEAAGIPVSFGSHRPLSRAQSS
 PASATFPMVQEPPTKPRFTTGLVYDTLMLKHQCTCGNTNSHPEHAGRIQSIWSRLQETGLRGKCECIRG
 RKATLEELQTVHSEAHTLLYGTNPLNRQKLDSSLTSVFVRLPCGGVGVSDSTIWNEVHSSGAARLAVGCV
 VELVFKVATGELKNGFAVVRPPGHAEESTPMGFCYFNSVAVAAKLLQQRNLVSKILIVDWDVHHGNGTQ
 QAFYNDPNVLYMSLHRYDDGNFFPGSGAPDEVGTGPGVGFNVNMAFTGGLEPPMGDAEYLAAFRTVMPI
 ANEFAPDVVLVSSGFDAVEGHPTPLGGYNLSAKCFGYLTQMLMGLAGGRLVLALEGGHDLTAICDASEAC
 VSALLGNELEPLPEKVLHQRPNANAVHSMEKVMDSKYWRCLQRLSSTVGHSLIEAQKCEKEEAETVTA
 MASLSVGVKPAEKRSEEEPMEEEPPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	118.6 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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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 after receiving vials.
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_997108
Locus ID:	208727
UniProt ID:	Q6NZM9
RefSeq Size:	3960
Cytogenetics:	1 D
RefSeq ORF:	3231
Synonyms:	4932408F19Rik; HD4
Summary:	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. Deacetylates HSPA1A and HSPA1A at 'Lys-77' leading to their preferential binding to co-chaperone STUB1.[UniProtKB/Swiss-Prot Function]