

Recombinant Human HDAC6 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. HDAC6-111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HDAC6 MS Standard C13 and N15-labeled recombinant protein (NP_006035) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription.
Molecular Mass	131.2 kDa
AA Sequence	MTSTGQDSTTTTRQRRSRQNPQSPPQDSSVTSKRNIKKGAVPR SIPNLA EVKKKGKM KKLGQAMEEDLIVGLQGMDLNLEAEALAGTGLVLDEQLNEFHCLWDDSFPEGPERL HAIKEQLIQEGLLDRCVSFQARFAEKEELMLVHSLEYIDLMETTQYMN EGELRVLADT YDSVYLHPNSYSCACLASG SVLRLVDAVLGAEIRNGMAIIRPPGHHAQHSLMDGYC MFNHVAVAARYAQQKHRI RVLVDWDVHHGQGTQFTFDQDPSVLYFSI HRYEQGR FWPHLKASNWSTTGFGQGQGYTINVPWNQVGMRDADYIAAFLHVLLPV ALEFQPPQ

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LVLVAAGFDALQGDPKGEMAATPAGFAQLTHLLMGLAGGKLILSLEGGYNLRALAEG
 VSASLHTLLGDPCPMLESPGAPCRSAQASVSCALEALEPFWEVLVRSTETVERDNM
 EEDNVEESEESEGPWEPPVLPILTWPVLQSRTGLVYDQNMNMHCNLWDSHHPEVPQ
 RILRIMCRLEELGLAGRCLTLTPRPATEAELLTCHSAEYVGHLRATEKMKTRRELHRES
 SNFDSIYICPSTFACAQLATGAACRLVEAVLSGEVLNGAAVVRPPGHHAEQDAACGF
 CFFNSVAVAAARHAQTISGHALRILVDWDVHHGNGTQHMFEDDPSVLYVSLHRYDH
 GTFFPMGDEGASSQIGRAAGTGFTVNVAVWNGPRMGDADYLAAWHRLVLPIAYEFN
 PELVLVSAGFDAARGDPLGGCQVSPEGYAHLTHLLMGLASGRILILEGGYNLTSISE
 SMAACTRSLLGDPPPLLTLP RPPLSGALASITETIQVHRRYWRSRVMKVEDREGPS
 SSKLVTKKAPQPAKPRLAERMTTREKKVLEAGMGKVTSSASFGEESTPGQTNSETAV
 VALTQDQPSEAATGGATLAQTISEAAIGGAMLGQTTSEEAVGGATPDQTTSEETVG
 GAILDQTTSEDAVGGATLGQTTSEEAVGGATLAQTTSEAMEGATLDQTTSEEAPG
 GTELIQTPLASSTDHQTPTSPVQGTTTPQISPSTLIGSLRTELGSESQGASESQAPG
 EENLLGEAAGGQDMADSMMLMQGSRGLTDQAIFYAVTPLPWCPHLVAVCPIPAAGLD
 VTQPCGDCGTIQENWVCLSCYQVYCGRYINGHMLQHGHGNSGHPLVLSYIDLSAWC
 YYCQAYVHHQALLDVKDIAHQNKFGEDMPHPHTRTRPLEQKLISEEDLAANDILDYK
 DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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Gene Name	HDAC6 histone deacetylase 6 [Homo sapiens (human)]
Official Symbol	HDAC6
Synonyms	HDAC6; histone deacetylase 6; CPBHM; HD6; JM21; PPP1R90; histone deacetylase 6; protein phosphatase 1, regulatory subunit 90; tubulin-lysine deacetylase HDAC6; NP_001308154.1; EC 3.5.1.98
Gene ID	10013
mRNA Refseq	NM_006044
Protein Refseq	NP_006035
MIM	300272
UniProt ID	Q9UBN7
SDS-PAGE	