

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

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

## SPECIFICATION

<b>Product Overview</b>	HDAC6 MS Standard C13 and N15-labeled recombinant protein (NP_006035) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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 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.
<b>Molecular Mass</b>	131.2 kDa
<b>AA Sequence</b>	MTSTGQDSTTTRQRRSRQNPQSPQDSSVTSKRNIKKGAVPR SIPNLAEVKKKGKMKKLGQAMEEDLIVGLQGMDLNLEAEALAGTGLVLDEQLNEFHCLWDDSFPEGPERLHAIKEQLIQEGLLDRCV SFQARFAEKEELMLVHSLEYIDL METTQYMN EGELRVLADTYDSVYLHPNSYSCACLASG SVLRLVDAVLGAEIRNGMAIIRPPGHHAQHSLMDGYCMFNHVAVAAARYAQQKHRIRRVLIVDWDVHHGQGTQFTFDQDPSVLYFSIHRYEQGRFWPHLKASNWSTTGFGQGQGYTINVPWNQVGM RDADYIAAFLHVLLPVALEFQPQ

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LVLVAAGFDALQGDPKGEAATPAGFAQLTHLLMGLAGGKLILSLEGGYNLRALAEG  
 VSASLHTLLGDPCPMLESPGAPCRSAQASVSCALEALEPFWEVLVRSTETVERDNM  
 EEDNVEESEEEGPWEPPVLPILTWPVLQSRTGLVYDQNMNHCNLWDSHHPEVPQ  
 RILRIMCRLEELGLAGRCLTLTPRPATEAELLTCHSAEYVGHRLRATEKMKTRRELHRES  
 SNFDSIYICPSTFACAQLATGAACRLVEAVLSGEVLNGAAVVRPPGHHAEQDAACGF  
 CFFNSVAVAAARHAQTISGHALRILIVDWDVHHGNGTQHMFEDDPSVLYVSLHRYDH  
 GTFFPMGDEGASSQIGRAAGTGFTVNVAVNGPRMGDADYLAAWHRLVLPYAYEFN  
 PELVLVSAGFDAARGDPLGGCQVSPEGYAHLTHLLMGLASGRILILEGGYNLTSISE  
 SMAACTRSLLDGPPPLTLPRPPLSGALASITETIQVHRRYWRSLRVMKVEDREGPS  
 SSKLVTKKAPQPAKPRLAERMTTREKKVLEAGMGKVTASFGGEESTPGQTNSETAV  
 VALTQDQPSEAATGGATLAQTISEAAIGGAMLGQTTSEEAVGGATPDQTTSEETVG  
 GAILDQTTSEDAVGGATLGQTTSEEAVGGATLAQTTSEAMEGATLDQTTSEEAPG  
 GTELIQTPLASSTDHQTPTSPVQGTTQISPSTLIGSLRTELELGSESQGASESQAPG  
 EENLLGEAAGGQDMADSMMLMQGSRGLTDQAIFYAVTPLPWCPHLVAVCPIPAAGLD  
 VTQPCGDCGTIQENWVCLSCYQVYCGRYINGHMLQHHGNSGHPLVLSYIDLSAWC  
 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.

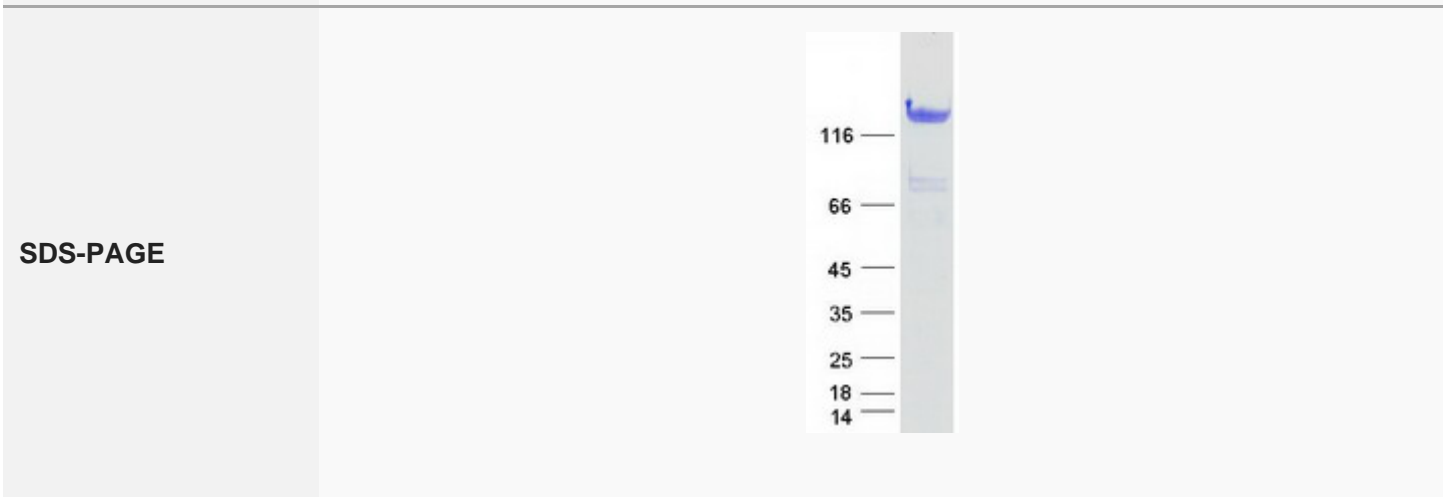
## GENE INFORMATION

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<b>Gene Name</b>	HDAC6 histone deacetylase 6 [ Homo sapiens (human) ]
<b>Official Symbol</b>	HDAC6
<b>Synonyms</b>	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
<b>Gene ID</b>	10013
<b>mRNA Refseq</b>	NM_006044
<b>Protein Refseq</b>	NP_006035
<b>MIM</b>	300272
<b>UniProt ID</b>	Q9UBN7



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