

Recombinant Full Length Human HDAC6 Protein, C-Flag-tagged

Cat. No. HDAC6-255HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HDAC6 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	131.2 kDa
AA Sequence	MTSTGQDSTTTTRQRRSRQNPQSPQDSSVTSKRNIKKGAVPRSIPNLAEVKKKGKM KKLGQAMEEDLIVG LQGMDLNLEAEALAGTGLVLDEQLNEFHCLWDDSFPEGPERL HAIKEQLIQEGLLDRCVSFQARFAEKEE LMLVHSLEYIDLMETTQYMNEGELRVLAD TYDSVYLHPNSYSCACLASGSVLRLVDAVLGAEIRNGMAII RPPGHHQAQHSIMDGY CMFNHVAVAARYAQQKHRIRRVLIVDWDVHHGQGTQFTFDQDPSVLYFSIHRYEQ

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GRFWPHLKASNWSTTGFGQGQGYTINVPWNQVGMRDADYIAAFLHVLLPVALEFQ
PQLVLVAAGFDALQG DPKGEMAATPAGFAQLTHLLMGLAGGKLILSLEGGYNLRAL
AEGVSASLHTLLGDPCPMLESPGAPCRSA QASVSCALEALEPFWEVLVRSTETVER
DNMEEDNVEESEEPPWEPPVLPILTWPVLQSRTGLVYDQNM NHCNLWDSHHP
EVPQRILRIMCRLEELGLAGRCLTLTPRPATEAELLTCHSAEYVGHLRATEKMKTREH
H RESSNFDSIYICPSTFACAQLATGAACRLVEAVLSGEVLNGAAVVRPPGHAEQD
AACGFCFFNSVAVAA RHAQTISGHALRILVDWDVHHGNGTQHMFEDDPSVLYVSL
HRYDHGTTFFPMGDEGASSQIGRAAGTGFT VNVAVNGPRMGDADYLAAWHRLVLP
IAYEFNPELVLSAGFDAARGDPLGGCQVSPEGYAHLTHLLMGLA SGRILILEGGYN
LTSISESMAACTRSLLGDPPPLTLPRPPLSGALASITETIQVHRRYWRSLRVMKVE D
REGPSSSKLVTKKAPQPAKPRLAERMTTREKKVLEAGMGKVTSASFGEESTPGQTN
SETAVVALTQDQP SEAATGGATLAQTISEAAIGGAMLGQTTSEEAVGGATPDQTT
EETVGGAILDQTTSEDAVGGATLGQTT SEEAVGGATLAQTTSEAMEGATLDQTT
EEAPGGTELIQTPLASSTDHQTPTSPVQGTTPQISPSTLI GSLRTLELGSESQGASE
SQAPGEENLLGEAAGGQDMADSMMLMQGSRGLTDQAIFYAVTPLPWCPHLVAVC PI
PAAGLDVTQPCGDCGTIQENWVCLSCYQVYCGRYINGHMLQHHGNSGHPLVLSYI
DLSAWCYCQAYV
HHQALLDVKDIAHQNKFGEDMPHPHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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Protein Families Druggable Genome, Transcription Factors

Full Length Full L.

GENE INFORMATION

Gene Name HDAC6 histone deacetylase 6 [Homo sapiens (human)]

Official Symbol HDAC6

Synonyms HD6; JM21; CPBHM; PPP1R90

Gene ID 10013

mRNA Refseq NM_006044.4

Protein Refseq NP_006035.2

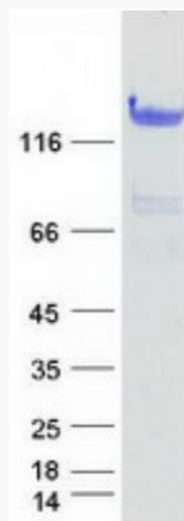
MIM 300272

UniProt ID Q9UBN7

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Coomassie blue staining of purified HDAC6 protein.

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