

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	MTSTGQDSTTTTRQRRSRQNPQSPQDSSVTSKRNIKKGAVPR SIPNLA EVKKKGKM KKLGQAMEEDLIVG LQGMDLNLEAEALAGTGLVLDEQLNEFHCLWDDSFPEGPERL HAIKEQLIQEGLLDRCVSFQARFAEKEE LMLVHSLEYIDLMETTQYMNEGELRVLAD TYDSVYLHPNSYSCACLASGSVLRLVDAVLGAEIRNGMAII RPPGHH AQHSLMDGY CMFNHVAVAARYAQQKHRIRRVLVLDWDVHHGQGTQFTFDQDPSVLYFSIHRYEQ

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GRFWPHLKASNWSTTGFGQGQGYTINVPWNQVGMRDADYIAAFLHVLLPVALEFQ
PQLVLVAAGFDALQG DPKGEMAATPAGFAQLTHLLMGLAGGKLILSLEGGYNLRAL
AEGVSASLHTLLGDPCPMLESPGAPCRSA QASVSCALEALEPFWEVLVRSTETVER
DNMEEDNVEESEEPPWEPPVLPILTWPVLQSRTGLVYDQNM NHCNLWDSHHP
EVPQRILRIMCRLEELGLAGRCLTLTPRPATEAELLTCHSAEYVGHLRATEKMKTREL
H RESSNFDSIYICPSTFACAQLATGAACRLVEAVLSGEVLNGAAVVRPPGHAEQD
AACGFCFFNSVAVAA RHAQTISGHALRILVDWDVHHGNGTQHMFEDDPSVLYVSL
HRYDHGTTFFPMGDEGASSQIGRAAGTGFT VNVAWNGPRMGDADYLAAWHRLVLP
IAYEFNPELVLSAGFDAARGDPLGGCQVSPEGYAHLTHLLMGLA SGRIILILEGGYN
LTSISESMAACTRSLLGDPPPLTLPRPPLSGALASITETIQVHRRYWRSLRVMKVE D
REGPSSSKLVTKKAPQPAKPRLAERMTTREKKVLEAGMGKVTSASFGEESTPGQTN
SETAVVALTQDQP SEAATGGATLAQTISEAAIGGAMLGQTTSEEAVGGATPDQTTT
EETVGGAILDQTTSEDAVGGATLGQTT SEEAVGGATLAQTTSEAAMEGATLDQTTT
EEAPGGTELIQTPLASSTDHQTPTTSPVQGTTPQISPSTLI 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.

Protein Families	Druggable Genome, Transcription Factors
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Full Length	Full L.
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GENE INFORMATION

Gene Name	HDAC6 histone deacetylase 6 [Homo sapiens (human)]
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Official Symbol	HDAC6
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Synonyms	HD6; JM21; CPBHM; PPP1R90
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Gene ID	10013
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mRNA Refseq	NM_006044.4
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Protein Refseq	NP_006035.2
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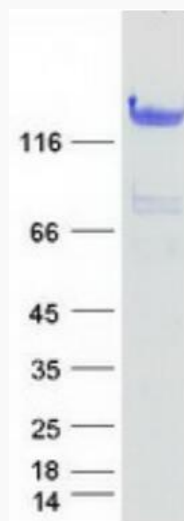
MIM	300272
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UniProt ID	Q9UBN7
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Coomassie blue staining of purified HDAC6 protein.

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