

Product datasheet for TP309649M

HDAC6 (NM_006044) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human histone deacetylase 6 (HDAC6), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA | >RC209649 representing NM_006044 |
| Clone or AA Sequence: | Red=Cloning site Green=Tags(s) |

MTSTGQDSTTRQRRSRQNPQSPQDSSVTSKRNIKKGAVPR SIPNLAEVKKKGGKMKKLQGAMEEDLIVG
LQGM DLNLEAEALAGTGLVLDEQLNEFHCLWDDSFPEGPERLHAIKEQLIQEGLLDRCV SFQARFAEKEE
LMLVHSLEYIDL METTQYMN EGELRVLADTYDSVYLHPNSYSCACLASG SVLR LVDVAVLGAEIRNGMAII
RPPGHHAQHSLMDGYCMFNHVAVAARYAQQKHRI RRVLIVDWDVHHGQGTQFTFDQDPSVLYFSIHRYEQ
GRFWPHLKASNWSTTGFGGQGYTINVPWNQVGMRDADYIAAFLHVLLPVALEFQPQLV LVAAGFDALQG
DPKGEMAATPAGFAQLTHLLMGLAGGKLILSLEGGYNLRALAE GVSASLHTLLGDPCPMLESPGAPCRSA
QASVSCALEALEPFWEVLVRSTETVERDNMEEDNVEESEEEGPWEPPVLPILTWPVLQSRTGLVYDQNM
NHCNLWDSHHPEVPQRILRIMCRLEELGLAGRCLTLTPR PATEAELLTCHSAEYVGH LRATEKMKTRE LH
RESSNFDSIYICPSTFACAQLATGAACRLVEAVLSGEV LNGAAVWRPPGHHAEQDAACGFCFFNSVAVAA
RHAQTISGHALRILIVDWDVHHGNGTQHMFEDDPSVLYVSLHRYDHGTF FPMGDEGASSQIGRAAGTGFT
VNVAWNGPRMGDADYLAAWHRLVLP IAYEFNPELVLSAGFDAARGDPLGGCQVSPEGY AHLTHLLMGLA
SGRIILILEGGYNLTSISESMAACTRSL LGDPPPLLLTPRPPLSGALASITETIQVHRRYWRSLRVMKVE
DREGPSSSKLVTKKAPQPAKPRLAERM TTREKKVLEAGMGKVTSASFG EESTPGQTNSETAVVALTQDQP
SEAATGGATLAQTISEAAIGGAM LGQTTSEEAVGGATPDQTTSEETVGGAILDQTTSEDAVGGATLGQTT
SEEAVGGATLAQTTSEAAMEGATLDQTTSEEAPGGTELIQTPLASSTDHQT PPTSPVQGTTPQISPSTLI
GSLRTLELGSESQGASESQAPGEENLLG EAAGGQDMADSM LMQGSRLTDQAI FAVTPLPWC PHLVAVC
PIPAAGLDVTQPCGDCGTIQENWVCLSCYQVYCGRYINGHMLQH HGN SGHPLVLSYIDL SAWCYQCAYV
HHQALLDVKDIAHQNKFGEDMPPHPH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

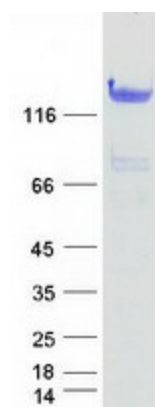
| | |
|----------------|---|
| Tag: | C-Myc/DDK |
| Predicted MW: | 131.2 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |



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| | |
|--------------------------|---|
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| 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. |
| 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_006035 |
| Locus ID: | 10013 |
| UniProt ID: | Q9UBN7 , A0A024QZ26 , Q9NSW6 |
| RefSeq Size: | 4099 |
| Cytogenetics: | Xp11.23 |
| RefSeq ORF: | 3645 |
| Synonyms: | CPBHM; HD6; JM21; PPP1R90 |
| Summary: | 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. [provided by RefSeq, Jul 2008] |
| Protein Families: | Druggable Genome, Transcription Factors |

Product images:



Coomassie blue staining of purified HDAC6 protein (Cat# [TP309649]). The protein was produced from HEK293T cells transfected with HDAC6 cDNA clone (Cat# [RC209649]) using MegaTran 2.0 (Cat# [TT210002]).