

Recombinant Full Length Rat HDAC6 Protein, C-His-tagged

Cat. No. HDAC6-23RFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat HDAC6 Protein, fused to His-tag at C-terminus, was expressed in Baculovirus-Insect Cells.
Species	Rat
Source	Insect cells
Description	Enables deacetylase activity. Involved in several processes, including generation of neurons; regulation of protein modification process; and response to glucocorticoid. Located in axon and centrosome. Used to study polycystic kidney disease and polycystic liver disease. Biomarker of hypertension and polycystic liver disease. Human ortholog(s) of this gene implicated in chondrodysplasia with platyspondyly, distinctive brachydactyly, hydrocephaly, and microphthalmia. Orthologous to human HDAC6 (histone deacetylase 6).
Form	Sterile 50mM Tris, 200mM NaCl, pH 8.0.
Molecular Mass	127 kDa
AA Sequence	MTSTGQDSSTRQRKSRHNPQSPLQDSSATLKRGGKKGAVPHSSPNLAEVKKKGGKM KKLSQPAEEDLIVGLQRLDLNSETRVPVGTGLVFDEQLNDFHCLWDDSPENPERL HAIKEQLILEGLLGRCVSFQARFAEKEELMLVHSLEYIDLMETTQYMNEGELRVLAGT YDSVYLHPNSYSCACLATGSVLRLVDAVMGAEIRNGMAVIRPPGHHAQRSLMDGYC MFNHLAVAARYAQKKHRIQRILIVDWDVHHGQGTQFIFDQDPSVLYFSIHRYEHGRF WPHLKASNWSTTGFGQGQGYTINVPWNQVGMRDADYIAAFLHILLPVAFEFQPQLV

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LVAAGFDALHGDPKGE MSATPAGFAHLTHFLMGLAGGKLILSLEGGYNLHALAKGV
 SGLSHTLLGDPCPMLESPVAPCASAQTSISCTLEALEPFWEVLERSVEPQDEDEVE
 GDMLEDEEEEGHWEATALPMDTWPLLQNRTGLVYDERMMSHCNLWDNHHPETPQ
 RILRIMCHLEEVGLAARCLILPARPALDSELLTCHSAEYVERLRATEKMKTRDLHREG
 ANFESIYICPSTFACAQLATGAACRLVEAVLSGEVLNGIAIVRPPGHHAEPDAACGFC
 FFNSVAVAAARHAQVIAGRALRILIVDWDVHHGNGTQHIFEEDPSVLYVSLHRYDRGT
 FFPMGDEGASSQVGRAAGTGFTVNVWPWNGPRMGDADYLATWHRLVLPIAYEFNPE
 LVLISAGFDAAQGDPLGGCQVTPEGYAHLTHLLMGLAGGRIILILEGGYNLTSISESM
 AACTHSLLDGPPPQLTSLRPPQSGALASISEVIQVHRKYWRSRLMKMEDKEERSS
 SRLVIKKLPQSASPVSAKGMTPKGVLEAGMRKPTAALPTKESTLGQAKAKTAKAL
 LAQQQSSEQAAGTTLDLATSKDTVGGATTDQCASVAATENSANQTTSGEEASGET
 ESFGTSPSSNASKQTTGASPLHGAAAQQSPELGLSSTLELSSEAQEVQESEEGLLG
 EAAGGQDMNSLMLTQGFQDFNTQDVFYAVTPLSWCPHLMVCPIPAAGLDVVSQPC
 KTCGSFQENWVCLTCYQVYCSRYVNAHMVCHHEASEHPLVLSCVDLSTWCYLCQA
 YVHHEDLQDVKNAAHQNKFGEGMPHLQH HHHHHHHHHH

Purity >90% by SDS-PAGE.

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.27mg/ml by BCA.

GENE INFORMATION

Gene Name Hdac6 histone deacetylase 6 [*Rattus norvegicus* (Norway rat)]

Official Symbol HDAC6

Synonyms HDAC6; histone deacetylase 6; Hdac6

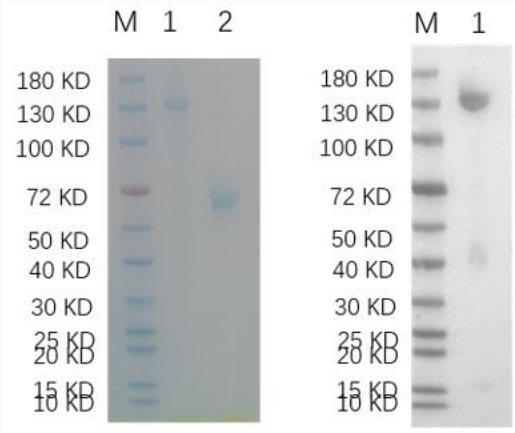
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Gene ID	108348065
mRNA Refseq	NM_001427028.1
Protein Refseq	NP_001413957.1
UniProt ID	D3ZVD8

SDS-PAGE



Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified HDAC6.

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