

Recombinant Full Length Human HDAC7 Protein, C-Flag-tagged

Cat. No. HDAC7-1522HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HDAC7 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 has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	106.6 kDa
AA Sequence	MHSPGADGTQVSPGAHYCSPTGAGCPRPCADTPGPQPQPMDLRVGQRPPVEPPP EPTLLALQRPQRLHHH LFLAGLQQRSVEPMRLSMDTPMPELQVGPQEQLRQLL HKDKSKRS AVASSVVKQKLAEVILKKQQAAL ERTVHPNSPGIPYRTLEPLETEGATR SMLSSFLPPVPSLPSDPPEHFPLRKT VSEPNLKLRYKPKKSLER RKNPLLRKESAPP SLRRRPAETLGDSSPSSSSTPASGCSSPNDSEHGPNPILGSEALLGQRLRLQETSV

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A PFALPTVSLLPAITLGLPAPARADSDRRTHPTLGPRGPILGSPHTPLFLPHGLEPEA
 GGTLPSRLQPILL LDPSGSHAPLLTVPGLGPLPFHFAQSLMTTERLSGSGLHWPLSR
 TRSEPLPPSATAPPPPGPMQPRLEQL KTHVQVIKRS AKPSEKPRLRQIPSAEDLETD
 GGGPGQVVDDGLEHRELGHGQPEARGPAPLQQHPQVLLW EQQRLAGRLPRGST
 GDTVLLPLAQQGHRPLSRAQSSPAAPASLSAPEPASQARVLSSETPARTLPFTTG
 LIYDSVMLKHQCSCGDNSRHPHEHAGRIQSIWSRLQERGLRSQCECLRGRKASLEEL
 QSVHSERHVLLYGT NPLSRLKLDNGKLAGLLAQRMFVMLPCGGVGVDTDTIWNEL
 HSSNAARWAAGSVTDLAFKVASRELKNGF AVVRPPGHHADHSTAMGFCFFNSVAI
 ACRQLQQSKASKILIVDWDVHHGNGTQQTFYQDPSVLYISLHR HDDGNFFPGSG
 AVDEVGAGSGEGFNVNVAWAGGLDPPMGDPEYLAAFRIVVMPIAREFSPDLVLVSA
 GFD AAEGHPAPLGGYHVS AKCFGYMTQQLMNLAGGAVVLALEGGHDLTAICDASE
 ACVAALLGNRVDPLSEEG WKQKPNLNAIRSLEAVIRVH SKYWGCMQRLASCPDSW
 VPRVPGADKEEVEAVTALASLSVGILAEDRPSE
 QLVEEEPMNLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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
Full Length	Full L.

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GENE INFORMATION

Gene Name HDAC7 histone deacetylase 7 [Homo sapiens (human)]

Official Symbol HDAC7

Synonyms HD7; HD7A; HDAC7A

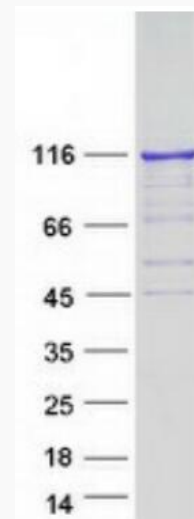
Gene ID 51564

mRNA Refseq NM_015401.5

Protein Refseq NP_056216.2

MIM 606542

UniProt ID Q8WUI4



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Coomassie blue staining of purified HDAC7 protein.

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