

Recombinant Human HDAC7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HDAC7-4016H Lot. No. (See product label)

SPECIFICATION

Product Overview	HDAC7A MS Standard C13 and N15-labeled recombinant protein (NP_057680) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	99.5 kDa
AA Sequence	MDLRVGQRPPVEPPPEPTLLALQRPQRLHHHLFLAGLQQQRSVEPMRLSMDTPMP ELQVGPQEQLRQLLHKDKSKRS AVASSVVKQKLAEVILKKQQAALERTVHPNSPGI PYRTLEPLETEGATRSMLSSFLPPVPSLPSDPPEHFPLRKT VSEPNLKLRYKPKKSLE RRKNPLLRKESAPPSLRRRPAETLGDSSPSSSSTPASGCSSPNDSEHGPNPILGDS DRRTHPTLGPRGPILGSPHTPLFLPHGLEPEAGGTLPSRLQPILLDPSGSHAPLLTV PGLGPLPFHFAQSLMTTERLSGSLHWPLSRTRSEPLPPSATAPPPPGPMQPRLEQ

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LKTHVQVIKRS AKPSEK PRLRQIPSAEDLET DGGGPGQV VDDGLEHRELGHGQPEA
 RGPAPLQQHPQVLLWEQQRLAGRLPRGSTGDTVLLPLAQGGHRPLSRAQSSPAAP
 ASLSAPEPASQARVLSSETPARTLPFTTGLIYDSVMLKHQCSCGDNSRHPEHAGRI
 QSIWSRLQERGLRSQCECLRGRKASLEELQSVHSERHVLLYGTNPLSRLKLDNGKL
 AGLLAQRMFVMLPCGGVGVDTDTIWNELHSSNAARWAAGSVTDLAFKVASRELKN
 GFAVVRPPGGHHADHSTAMGFCFFNSVAIACRQLQQQSKASKILIVDWDVHHGNGTQ
 QTFYQDPSVLYISLHRHDDGNFFPGSGAVDEVGAGSGEGFNVNVAWAGGLDPPM
 GDPEYLAAFRIVMPIAREFSPDLVLVSAGFDAAEHPAPLGGYHVS AKCFGYMTQ
 QLMNLAGGAVVLALEGGHDLTAICDASEACVAALLGNRVDPLSEEGWKQKPNLNAI
 RSLEAVIRVHSKYWGCMQRLASCPDSWVPRVPGADKEEVEAVTALASLSVGILAED
 RPSEQLVEEEEPMNLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol HDAC7

Synonyms HDAC7; histone deacetylase 7; HDAC7A, histone deacetylase 7A; DKFZP586J0917; HD7; histone deacetylase 7A; HD7A; HDAC7A; FLJ99588; DKFZp586J0917;

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Gene ID 51564

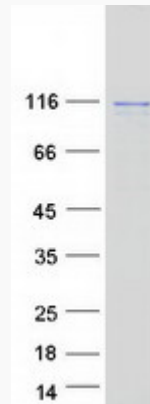
mRNA Refseq NM_016596

Protein Refseq NP_057680

MIM 606542

UniProt ID Q8WUI4

SDS-PAGE



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