

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 ELQVGPQEQELRQLLHKDKSKRSAVASSVVKQKLAEVILKKQQAALERTVHPNSPGI PYRTLEPLETEGATRSMLSSFLPPVPSLPSDPPEHFPLRKTVSEPNLKLRYKPKKSLE RRKNPLL RKESAPPSLRRRPAETLGDSSPSSSSTPASGCSSPNDSEHGPNPILGDS DRRTHPTLGPRGPILGSPHTPLFLPHGLEPEAGGTLPSRLQPILLDPSGSHAPLLTV PGLGPLPFHFAQSLMTTERLSGSGLHWPLSRTRSEPLPPSATAPPPPGPMQPRLEQ

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LKTHVQVIKRS AKPSEKPRLRQIPSAEDLET DGGGPGQVVD DGLEHRELGHGQPEA
 RGPAPLQQHPQVLLWEQQRLAGRLPRGSTGDTVLLPLAQGGHRPLSRAQSSPAAP
 ASLSAPEPASQARVLSSETPARTLPFTTGLIYDSVMLKHQCSCGDNSRHPEHAGRI
 QSIWSRLQERGLRSQCECLRGRKASLEELQSVHSEHVVLLYGTNPLSRLKLDNGKL
 AGLLAQRMFVMLPCGGVGVDTDTIWNE LHSSNAARWAAGSVTDLAFKVASRELKN
 GFAVVRPPGHHADHSTAMGFCFFNSVAIACRQLQQQSKASKILIVDWDVHHGNGTQ
 QTFYQDPSVLYISLHRHDDGNFFPGSGAVDEVGAGSGEGFNVNVAWAGGLDPPM
 GDPEYLAAFRIVVMPIAREFSPDLVLVSAGFDAAEGHPAPLGGYHVS 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	