

Product datasheet for PH313214

HDAC7 (NM_016596) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HDAC7A MS Standard C13 and N15-labeled recombinant protein (NP_057680)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213214
Predicted MW:	99.5 kDa
Protein Sequence:	>RC213214 representing NM_016596 Red=Cloning site Green=Tags(s)

MDLRVGRPPVEPPPEPTLLALQRPQRLHHHLFLAGLQQQSVPEPMLRSMPTMPELQVGPQEQELRQLLHKDKSKRSVAVASSVVKQKLAEVILKKQQAALERTVHPNSPGIPYRTEPLETEGATRSMSSFLPPVPSLPSDPPEHFPLRKTVSEPNLKLRYKPKKSLERRKNPLLRKESAPPSLRRRPAETLGDSSPSSSSTPASGCS SPNDSEHGPNPILGSDRRHTHTLGPGRPILGSPHTPLFLPHGLEPEAGGTLP SRLQPIILLDPSGSHAPLLTVPGLGPLPFHFAQSLMTTERLSGSGLHWPLSRTRSEPLPPSATAPPPGPMQPRLEQLKTHVQVIKRS AKPSEKPRLRQIPSAEDLETGGGPGQVVDGLEHRELGHGQPEARGPAPLQQHPQVLLWEQRLAGRLPRGSTGDTVLLPLAQGGHRPLSRAQSSPAAPASLSAPEPASQARVLSSETPARTLPFTTGLIYDSVMLKHQCSCGDNSRHPEHAGRIQSIWSRLQERGLRSQCECLGRKASLEELQSVHSEHVLLYGTNPLSRLKLDNGKLAGLLAQRMFVMLPCGGVGVDTDTIWNELHSSNAARWAAGSVTDLAFKVASRELKNGFVVRPPGHHADHSTAMGFCFFNSVAIACRQLQQQSKASKILIVDWDVHHGNGTQQTFYQDPSVLYISLHRHDDGNFFPGSGAVDEVGAGSGEGFNVNVAWAGGLDPPMGDPEYLA AFRIVVMPIAREFSPDLVLYSAGF DAAEGHPAPLGGYHVS AKCFGYMTQQLMNL AGGAVVLALEGGHDLTAICDASEACVAALLGNRVDPLSEEGWKQKPNLNAIRSLEAVIRVH SKYWGC MQRLASCPDSWVPRVPGADKEEVEAVTALASLSVGILAEDRPEQLVEEEEPMNL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



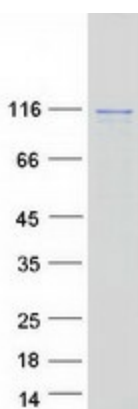
[View online »](#)

RefSeq: [NP_057680](#)
RefSeq Size: 4086
RefSeq ORF: 2736
Synonyms: HD7; HD7A; HDAC7A
Locus ID: 51564
UniProt ID: [Q8WUI4](#)
Cytogenetics: 12q13.11

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 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified HDAC7A protein (Cat# [TP313214]). The protein was produced from HEK293T cells transfected with HDAC7A cDNA clone (Cat# [RC213214]) using MegaTran 2.0 (Cat# [TT210002]).