

## Product datasheet for PH315267

### HDAC9 (NM\_014707) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HDAC9 MS Standard C13 and N15-labeled recombinant protein (NP_055522)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215267
Predicted MW:	65.7 kDa
Protein Sequence:	>RC215267 representing NM_014707 Red=Cloning site Green=Tags(s)

MHSMISSVDVKSEVPVGLPEISPLDLRDTLRMMMPVVDVPPVREKQLQQEQLLIQQQQIQQKQLLIAEFQK  
QHENLTRQHQAQLQEHIKELLAIKQQQELLEKEQKLEQQRQEVEVERHRREQQLPPLRGKDRGRERAVAS  
TEVKQKLQEFLLSKSATKDTPTNGKNHSVSRHPKLWYAAHHTSLDQSSPPLSGTSPSYKYTLPGAQDAK  
DDFPLRKTASEPMLKVRSLKQKVAERRSPLLRRKDGNNVTSFKKRMFEVTESSVSSSSPGSGPSSPNN  
GPTGSVTENETSVLPPTPHAEQMVQQIRLIIHEDSMNLLSLYTSPLPNITLGLPAVPSQLNASNLKEK  
QKQKQTLRQGVPLPGQYGGSIASSSHPHVTLEGKPPNSHQALLQHLLLKEQMRQKLLVAGGVPLHP  
QSPLATKERISPGIRGTHKLPRHRPLNRTQSAPLPQSTLAQLVIQQQHQQFLEKQKQYQQQIHMNKLLSK  
SIEQLKQPGSHLEEAEEELQGDQAMQEDRAPSSGNSTRSDSSACVDDTLGQVAVKVKKEPVDSEDAQI  
QEMESGEQAAMQVIGKDLAPGFVIKVII

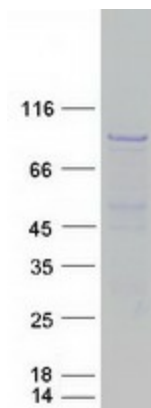
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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.
RefSeq:	<a href="#">NP_055522</a>
RefSeq Size:	4238
RefSeq ORF:	1770



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<b>Synonyms:</b>	HD7; HD7b; HD9; HDAC; HDAC7; HDAC7B; HDAC9B; HDAC9FL; HDRP; MITR
<b>Locus ID:</b>	9734
<b>UniProt ID:</b>	<a href="#">Q9UKV0</a>
<b>Cytogenetics:</b>	7p21.1
<b>Summary:</b>	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 the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

**Product images:**

Coomassie blue staining of purified HDAC9 protein (Cat# [TP315267]). The protein was produced from HEK293T cells transfected with HDAC9 cDNA clone (Cat# [RC215267]) using MegaTran 2.0 (Cat# [TT210002]).