

## Product datasheet for TP313214M

### HDAC7A (NM\_016596) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human histone deacetylase 7A (HDAC7A), transcript variant 2, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC213214 representing NM\_016596  
Red=Cloning site Green=Tags(s)

MDLRVGQRPPVEPPPEPTLLALQRPQRLHHHLFLAGLQQQRSVEPMRLSMDTPMPELQVGPQEQLRQLL  
 HKDKSKRSVASSVVKQKLAEVILKKQQAALERTVHPNSPGIPYRTLEPLETEGATRSMLSSFLPPVPSL  
 PSDPPEHFPLRKTVSEPNLKLRYKPKKSLERRKNPLLRKESAPPSLRRRPAETLGDSSPSSSSTPASGCS  
 SPNDSEHGPNPILGSDRRTHPTLGPGRGPIGSPHTPLFLPHGLEPEAGGTLP SRLQPILLDPSGSHAP  
 LLTVPGLGPLPFHFAQSLMTTERLSGSGLHWPLSRTRSEPLPPSATAPPPPMPQRLEQLKTHVQVIKR  
 SAKPSEKPRLRQIPSAEDLETGGGPGQVDDGLEHRELGHGQPEARGPAPLQQHPQVLLWEQQRLAGRL  
 PRGSTGDTVLLPLAQGGHRPLSRAQSSPAAPASLSAPEPASQARVLSSETPARTLPFTTGLIYDSVMLK  
 HQCSCGDNSRHPEHAGRIQSIWSRLQERGLRSQCECLRGRKASLEELQSVHSEHVVLYGTNPLSRLKLD  
 NGKLAGLLAQRMFVMLPCGGVGVDTDTIWNELHSSNAARWAAGSVTDLAFKVASRELKNGFAVVRPPGHH  
 ADHSTAMGFCFFNSVAIACRQLQQQSKASKILVDWDVHHGNGTQQTFYQDPSVLYISLHRHDDGNFFPG  
 SGAVDEVGAGSGEGFNVNAWAGGLDPPMGDPEYLAAFRIVMPIAREFSPDLVLSAGFDAAEAGHPAPL  
 GGYHVSAKCFGYMTQQLMNLGAGAVLALEGGHDLTAICDASEACVAALLGNRVDPLSEEGWKQKPNLNA  
 IRSLEAVIRVHSHKYWGCMQRLASCPDSWVPRVPGADKEEVEAVTALASLSVGLAEDRPSEQLVEEEPEM  
 NL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

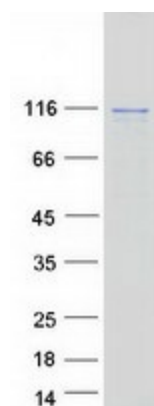
**Tag:** C-Myc/DDK  
**Predicted MW:** 99.5  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_057680</a>
<b>Locus ID:</b>	51564
<b>UniProt ID:</b>	<a href="#">Q8WUI4</a>
<b>RefSeq Size:</b>	4086
<b>Cytogenetics:</b>	12q13.11
<b>RefSeq ORF:</b>	2736
<b>Synonyms:</b>	HD7; HD7A; HDAC7A
<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 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]
<b>Protein Families:</b>	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]).