# Recombinant Full Length Human HDAC7 Protein, C-Flag-tagged

**Cat. No.** HDAC7-1522HFL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Full Length Human HDAC7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells. |
| **Species** | Human |
| **Source** | Mammalian Cells |
| **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. |
| **Form** | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| **Molecular Mass** | 106.6 kDa |
| **AA Sequence** | MHSPGADGTQVSPGAHYCSPTGAGCPRPCADTPGPQPQPMDLRVGQRPPVEPPP EPTLLALQRPQRLHHH LFLAGLQQQRSVEPMRLSMDTPMPELQVGPQEQELRQLL HKDKSKRSAVASSVVKQKLAEVILKKQQAAL ERTVHPNSPGIPYRTLEPLETEGATR SMLSSFLPPVPSLPSDPPEHFPLRKTVSEPNLKLRYKPKKSLER RKNPLLRKESAPP SLRRRPAETLGDSSPSSSSTPASGCSSPNDSEHGPNPILGSEALLGQRLRLQETSV |

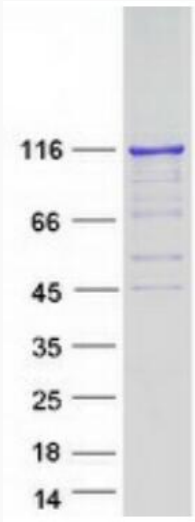
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| | A PFALPTVSLLPAITLGLPAPARADSDRRTHPTLGPRGPILGSPHTPLFLPHGLEPEA GGTLPSRLQPILL LDPSGSHAPLLTVPGLGPLPFHFAQSLMTTERLSGSGLHWPLSR TRSEPLPPSATAPPPPGPMQPRLEQL KTHVQVIKRSAKPSEKPRLRQIPSAEDLETD GGGPGQVVDDGLEHRELGHGQPEARGPAPLQQHPQVLLW EQQRLAGRLPRGST GDTVLLPLAQGGHRPLSRAQSSPAAPASLSAPEPASQARVLSSSETPARTLPFTTG LIYDSVMLKHQCSCGDNSRHPEHAGRIQSIWSRLQERGLRSQCECLRGRKASLEEL QSVHSERHVLLYGT NPLSRLKLDNGKLAGLLAQRMFVMLPCGGVGVDTDTIWNEL HSSNAARWAAGSVTDLAFKVASRELKNGF AVVRPPGHHADHSTAMGFCFFNSVAI ACRQLQQQSKASKILIVDWDVHHGNGTQQTFYQDPSVLYISLHR HDDGNFFPGSG AVDEVGAGSGEGFNVNVAWAGGLDPPMGDPEYLAAFRIVVMPIAREFSPDLVLVSA GFD AAEGHPAPLGGYHVSAKCFGYMTQQLMNLAGGAVVLALEGGHDLTAICDASE ACVAALLGNRVDPLSEEG WKQKPNLNAIRSLEAVIRVHSKYWGCMQRLASCPDSW VPRVPGADKEEVEAVTALASLSVGILAEDRPSE QLVEEEEPMNLTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining. |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **Storage** | Store at -80 centigrade. |
| **Concentration** | >50 ug/mL as determined by microplate BCA method. |
| **Preparation** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Protein Families** | Druggable Genome, Transcription Factors |
| **Full Length** | Full L. |

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## GENE INFORMATION

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|---|---|
| **Gene Name** | HDAC7 histone deacetylase 7 [ Homo sapiens (human) ] |
| **Official Symbol** | HDAC7 |
| **Synonyms** | HD7; HD7A; HDAC7A |
| **Gene ID** | 51564 |
| **mRNA Refseq** | NM_015401.5 |
| **Protein Refseq** | NP_056216.2 |
| **MIM** | 606542 |
| **UniProt ID** | Q8WUI4 |




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Coomassie blue staining of purified HDAC7 protein.

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