

## Datasheet

### HDAC7A (Human) Recombinant Protein (P01)

**Catalog Number:** H00051564-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human HDAC7A full-length ORF (AAH06453.1, 1 a.a. - 276 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGFCFFNSVAIACRQLQQQSKASKILIVDWDVHHGNG  
TQQTFYQDPSVLYISLHRHDDGNFFPGSGAVDEVGAG  
SGEGFNVNVAWAGGLDPPMGDPEYLAAFRIVVMPPIAR  
EFSPDLVLSAGFDAAEGHPAPLGGYHVS AKCFGYMT  
QQLMNLGAGAVVLALEGGHDLTAICDASEACVAALLG  
NRVDPLSEEGWKQKPNLNAI RSLEAVIRVH SKYWGCM  
QRLASCPDSWVPRVPGADKEEVEAVTALASLSVGILA  
EDRPSEQLVEEEEPMNL

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 56.1

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 51564

**Gene Symbol:** HDAC7

**Gene Alias:** DKFZp586J0917, FLJ99588, HD7A, HDAC7A

**Gene 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]