

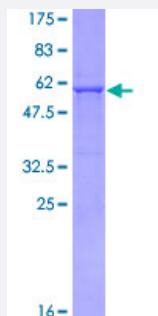
Full-Length

HDAC7A (Human) Recombinant Protein (P01)

Catalog # H00051564-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

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

Sequence

MGFCFFNSVAIACRQLQQQSKASKILVDWDVHHGNGTQQTFYQDPSVLYISLHRHDDGNFFPGS
GAVDEVGAGSGEGFNVNVAWAGGLDPPMGDPEYLAARVMPIAREFSPDLVLVSAGFDAAE
GHPAPLGGYHVSACFCGYMTQQLMNLAGGAVVLALEGGHDLTAICDASEACVAALLGNRVDPLS
EEGWKQKPNLNAIRSLEAVIRVHSKYWGCMQRLASCPDSWVPRVPGADKEEVEAVTALASLSV
GILAE DRPSEQLVEEEEEPMNL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.1

Interspecies Antigen Sequence

Mouse (95); Rat (93)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

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.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HDAC7

Entrez GeneID[51564](#)**GeneBank Accession#**[BC006453](#)**Protein Accession#**[AAH06453.1](#)**Gene Name**

HDAC7

Gene Alias

DKFZp586J0917, FLJ99588, HD7A, HDAC7A

Gene Description

histone deacetylase 7

Omim ID[606542](#)**Gene Ontology**[Hyperlink](#)**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]

Other Designations

histone deacetylase 7A

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)