

# Recombinant human Histone Deacetylase 2/HDAC2 protein

Catalog Number: ATGP1154

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

1-488aa

### UniProt No.

Q92769

### NCBI Accession No.

NP\_001518.3

### Alternative Names

Histone deacetylase 2, HD2, RPD3, YAF1, KDAC2, Protein deacylase HDAC2

## PRODUCT SPECIFICATION

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### Molecular Weight

56.4 kDa (496aa)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT, 0.1mM PMSF

### Purity

> 85% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

HDAC2 belongs to the histone deacetylase family that act via the formation of large multiprotein complexes and are responsible for the deacetylation of lysine residues on the N-terminal region of the core histones. It forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. It also plays an important role in transcriptional regulation, cell cycle progression

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and developmental events. Recombinant human HDAC2 protein was expressed with c-terminal His-tag in high-5 cells using baculovirus expression system and purified by using conventional chromatography techniques.

## Amino acid Sequence

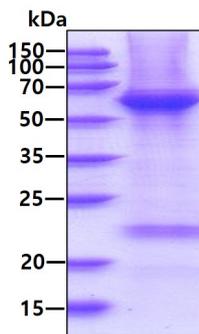
MAYSQGGGKK KVCYYYDGGDI GNYYYGQGHP MKPHRIRMTH NLLLNYGLYR KMEIYRPHKA TAEEMTKYHS DEYIKFLRSI  
RPDNMSEYSK QMQRFNVED CPVFDGLFEF CQLSTGGSVA GAVKLNRRQT DMAVNWAGGL HHAKKSEASG  
FCYVNDIVLA ILELLKYHQR VLYIDIDIHH GDGVVEAFYT TDRVMTVSFH KYGEYFPGTG DLRDIGAGKG KYYAVNFPMP  
DGIDDESYGQ IFKPIISKVM EMYQPSAVVL QCGADSLSGD RLGCNLTVK GHAKCVEVVK TFNLPLLMLG GGGYTIRNVA  
RCWTYETAVA LDCEIPNELP YNDYFEYFGP DFKLHISPSN MTNQNTPEYM EKIKQRLFEN LRMLPHAPGV QMQAIPEDAV  
HEDSGDEDEGE DPKKRISIRA SDKRIACDEE FSDSEDEGEG GRRNVADHKK GAKKARIEED KKETEDKKT D VKEEDKSKDN  
SGEKTDTKGT KSEQLSNP<SR HHHHHH>

## General References

Betz R. et al. (1998) Genomics. 52:245-6.  
Taunton J. et al. (1996) Science 272:408-11

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.