

Recombinant human Histone Deacetylase 2/HDAC2 protein

Catalog Number: ATGP1154

PRODUCT INFORMATION

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

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

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

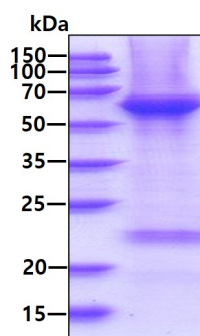
MAYSQGGGKK KVCYYYDGGI GNYYYGQGHP MKPHRIRMTH NLLNLYGLYR KMEIYRPHKA TAEEMTKYHS DEYIKFLRSI
RPDNMSEYSK QMQRFNVGED CPVFDGLFEF CQLSTGGSVA GAVKLNRRQT DMAVNWAGGL HHAKKSEASG
FCYVNDIVLA ILELLKYHQR VLYIDIDIHH GDGVVEAFYT TDRVMTVSFH KYGEYFPGTG DLRDIGAGKG KYYAVNFPMP
DGIDDESYGQ IFKPIISKVM EMYQPSAVVL QCGADSLSGD RLGCNLTVK GHAKCDEVVK 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.