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Recombinant human Histone Deacetylase 8/HDAC8 protein

Catalog Number: ATGP1329

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

1-377aa

UniProt No.

O9BY41

NCBI Accession No.

NP 060956

Alternative Names

Protein deacetylase HDAC8, Protein decrotonylase HDAC8, Wilson-Turner X-linked mental retardation syndrome HDACL1, CDA07, WTS, MRXS6, RPD3, KDAC8

PRODUCT SPECIFICATION

Molecular Weight

42.6 kDa (383aa)

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

Purity

> 80% 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

HDAC8, also known as histone deacetylase 8, belongs to class 1 of the histone deacetylase/acuc/apha family. This protein is biologically involved in skull morphogenesis and metabolic control of the ERR-alpha/PGC1-alpha transcriptional complex. Histones play a critical role in transcriptional regulation, cell cycle progression, and



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developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. Recombinant human HDAC8 protein, fused to His-tag at C-terminus, was expressed in Sf9 insect cell and purified by using conventional chromatography.

Amino acid Sequence

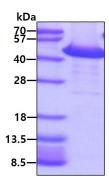
MEEPEEPADS GQSLVPVYIY SPEYVSMCDS LAKIPKRASM VHSLIEAYAL HKQMRIVKPK VASMEEMATF HTDAYLQHLQ KVSQEGDDDH PDSIEYGLGY DCPATEGIFD YAAAIGGATI TAAQCLIDGM CKVAINWSGG WHHAKKDEAS GFCYLNDAVL GILRLRRKFE RILYVDLDLH HGDGVEDAFS FTSKVMTVSL HKFSPGFFPG TGDVSDVGLG KGRYYSVNVP IQDGIQDEKY YQICESVLKE VYQAFNPKAV VLQLGADTIA GDPMCSFNMT PVGIGKCLKY ILQWQLATLI LGGGGYNLAN TARCWTYLTG VILGKTLSSE IPDHEFFTAY GPDYVLEITP SCRPDRNEPH RIQQILNYIK GNLKHVV<HHH HHH>

General References

Hu E., et al. (2000) J. Biol. Chem. 275:15254-15264 Buggy J.J., et al. (2000) Biochem. J. 350:199-205

DATA

SDS-PAGE



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

