

Recombinant human Histone Deacetylase 8/HDAC8 protein

Catalog Number: ATGP1329

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

1-377aa

UniProt No.

Q9BY41

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

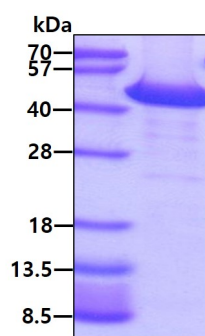
MEEPEEPADS GQSLVPVYIY SPEYVSMCD S LAKIPKRASM VHSLEIAYAL HKQMRIVKPK VASMEEMATF HTDAYLQHLQ
KVSQEGDDDH PDSIEYGLGY DCPATEGIFD YAAAIGGATI TAAQCLIDGM CKVAINWSGG WHHAKKDEAS GFCYLNDVAVL
GILRLRRKFE RILYVDLDLH HGDGVEDAFS FTSKVMTVSL HKFSPGFFPG TGDVSDVGLG KGRIYSVNVP IQDGIQDEKY
YQICESVLKE VYQAFNPKAV VLQLGADTIA GDPMCSFNMT PVGIGKCLKY ILQWQLATLI LGGGGYNLAN TARCWTYLTG
VILGKTLSS E IPDHEFFTAY GPDYVLEITP SCRPRNNEPH 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