

Product information



HDAC1, 1-482aa

Human, His-tagged, Recombinant, Hi-5 cell

Cat. No. IBATGP0335

Full name: Histone deacetylase 1

NCBI Accession No.: NP_004955

Synonyms: HD1, RPD3L1

Description: Histone deacetylase 1, also known as HDAC1, belongs to the histone deacetylase/acuc/apha family. This protein is a component of the histone deacetylase complex. Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Recombinant human HDAC1 protein, fused to His-tag at C-terminus, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography.

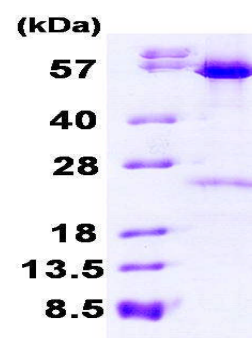
Form: Liquid. In PBS (pH 7.4) containing 10% glycerol

Molecular Weight: 56.2 kDa (490 aa)

Purity: > 90 % by SDS-PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

MAQTQGTRRK VCYYYDGDVG NYYYGQGHM KPHRIRMTN LLLNYGLYRK MEIYRPHKAN AEEMTKYHSD DYIKFLRSIR PDNMSEYSKQ MQRFNVGEDC
PVFDGLFEFC QLSTGGSVAS AVKLNKQQTQ IAVNWAGGLH HAKKSEASGF CYVNDIVLAI LELLKYHQRV LYIDIDIHHG DGVEEAFYTT DRVMTVSFHK
YGEYFPGTGD LRDIGAGK GK YYAVNYPLRD GIDDESIEAI FKPVMSKVME MFQPSAVVLQ CGSDSLSGDR LGCFNLTIKG HAKCVEFVKS FNLPLMLGG
GGYTIRNVAR CWTYETAVAL DTEIPNELPY NOYFEYFGPD FKLHISPSNM TNQNTNEYLE KIKQRLFENL RMLPHAPGVQ MQAIPEDAIP EESGDEDEDD
PDKRISICSS DKRIACEEEF SDSEEEGEGG RKNSSNFKKA KRVKTEDEKE KDPEEKREVT EEEKTKKEKP EAKGVKEEVK LASRHHHHHH

General references:

A.J. Wilson *et al.* (2006) *J. Biol. Chem.* **281** 13548-58.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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J.E. Bolden *et al.* (2006) *Nat. Rev Drug Discov.* **5** 769-84.

Storage: Can be stored at +4°C short term (1-2 week). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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