

Recombinant Human Histone Deacetylase 1, His-FLAG Tagged

Cat. No. HDAC1-374H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Humanfull-length HDAC1 with C-terminal His-FLAG Tagged.
Species	Human
Source	Sf9 Cells
ProteinLength	1-482 aa
Description	HDAC1belongs to the Histone Deacetylase/acuc/apha family and is a component of theHistone Deacetylase complex. HDAC1 interacts with Retinoblastomatumor-suppressor protein (Rb) and this complex is a key element in thecontrol of cell proliferation and differentiation. Together withMetastasis-Associated Protein-2, it deacetylates p53 and modulates its effecton cell growth and apoptosis.
Form	Liquid in 25 mMTris-HCl, pH 8.0 + 130 mM NaCl + 0.05% Tween-20 + 10% Glycerol.
Molecular Weight	56 kDa
Applications	Enzyme kinetics; Screeninginhibitors; Selectivity profiling.The optimal concentration should bedetermined by the user for each specific application.
Storage	Stable for 6 monthsin working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	HDAC1

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GENE INFORMATION

Gene Name	HDAC1 histone deacetylase 1 [Homosapiens]
Synonyms	HDAC1; histone deacetylase 1; DKFZp686H12203;GON-10; HD1; RPD3; RPD3L1; OTTHUMP00000008745; reduced potassium dependency,yeast homolog-like 1; DKFZp686H12203; EC 3.5.1.98
Gene ID	3065
mRNA Refseq	NM_004964
Protein Refseq	NP_004955
MIM	601241
UniProt ID	Q13547
Chromosome Location	1p34
Pathway	Androgen Receptor Signaling Pathway; CellCycle; Chronic myeloid leukemia; Delta-Notch Signaling Pathway; E2Ftranscription factor network; EGFR1 Signaling Pathway; Energy Metabolism; G0and Early G1; Glucocorticoid receptor regulatory network; Hedgehog signalingevents mediated by Gli proteins; Hemostasis; Huntington"s disease; IL-6Signaling Pathway; Mitotic G1-G1/S phases; Notch signaling pathway
Function	enzyme binding; histonedeacetylase activity; hydrolase activity; identical protein binding;transcription activator activity; transcription factor activity;transcription factor binding; transcription factor binding

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