

Recombinant Human HDAC3 Protein, His-tagged

Cat. No. HDAC3-2235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC3 Protein (Met1-Ile428) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ile428
Description	Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.5 kDa Accurate Molecular Mass: 53 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	HDAC3 histone deacetylase 3 [Homo sapiens (human)]
Official Symbol	HDAC3
Synonyms	HDAC3; histone deacetylase 3; HD3; RPD3; RPD3 2; SMAP45; RPD3-2;
Gene ID	8841
mRNA Refseq	NM_003883
Protein Refseq	NP_003874

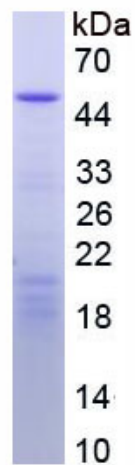
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MIM	605166
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UniProt ID	O15379
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