

Recombinant Human Histone Deacetylase 3

Cat. No. HDAC3-758H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human histone deacetylase 3 (HDAC3) was expressed in <i>S. frugiperda</i> insect cells using a baculovirus expression system. MW = 47 kDa.
Species	Human
Source	<i>S. frugiperda</i>
Description	HDAC3 is a class I histone deacetylase that regulates gene expression by deacetylation of histones and nonhistone proteins. It is suggested that HDACs play an important role in transcriptional regulation, cell cycle progression and activation, and biological processes in eukaryotes that involve chromatin.
Purity	≥95% by SDS-PAGE.
Form	Liquid. In 20 mM Tris-Cl, 10 mM KCl, 1 mM DTT, 0.2 mM EDTA, 20% glycerol, pH 8.0. Please refer to vial label for lot-specific concentration.
Unit Definition	One unit = 1 ng protein.
Toxicity	Standard Handling (MSDS available upon request).
Storage	≤ -70°C. Avoid freeze/thaw. Following reconstitution, aliquot and freeze (-70°C).

GENE INFORMATION

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Gene Name	HDAC3 histone deacetylase 3 [Homo sapiens]
Synonyms	HDAC3; histone deacetylase 3; RPD3; HD3; RPD3-2; EC 3.5.1.98; SMAP45
Gene ID	8841
mRNA Refseq	NM_003883
Protein Refseq	NP_003874
MIM	605166
UniProt ID	O15379
Chromosome Location	5q31
Pathway	Signalling by NGF
Function	DNA binding; histone deacetylase activity; hydrolase activity; transcription factor binding

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