

## Recombinant Human Histone Deacetylase 3

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human histone deacetylase 3 (HDAC3) was expressed in <i>S. frugiperda</i> insect cells using a baculovirus expression system. MW = 47 kDa.
<b>Species</b>	Human
<b>Source</b>	<i>S. frugiperda</i>
<b>Description</b>	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.
<b>Purity</b>	≥95% by SDS-PAGE.
<b>Form</b>	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.
<b>Unit Definition</b>	One unit = 1 ng protein.
<b>Toxicity</b>	Standard Handling (MSDS available upon request).
<b>Storage</b>	≤ -70°C. Avoid freeze/thaw. Following reconstitution, aliquot and freeze (-70°C).

### GENE INFORMATION

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

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