Creative Enzymes®

histone deacetylase

Cat. No. EXWM-4490

Lot. No. (See product label)

Introduction

Description	A class of enzymes that remove acetyl groups from N6-acetyl-lysine residues on a histone. The reaction of this enzyme is opposite to that of EC 2.3.1.48, histone acetyltransferase. Histone deacetylases (HDACs) can be organized into three classes, HDAC1, HDAC2 and HDAC3, depending on sequence similarity and domain organization. Histone acetylation plays an important role in regulation of gene expression. In eukaryotes, HDACs play a key role in the regulation of transcription and cell proliferation. May be identical to EC 3.5.1.17, acyl-lysine deacylase.
Synonyms	HDAC

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.1.98
Reaction	Hydrolysis of an N6-acetyl-lysine residue of a histone to yield a deacetylated histone
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.