

## Recombinant Mouse Hdac4 Protein, Myc/DDK-tagged

Cat. No. Hdac4-3369M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length histone deacetylase 4 (Hdac4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D. Deacetylates HSPA1A and HSPA1A at 'Lys-77' leading to their preferential binding to co-chaperone STUB1.
<b>Molecular Mass</b>	118.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Hdac4 histone deacetylase 4 [ Mus musculus (house mouse) ]

**Official Symbol** Hdac4

**Synonyms** HDAC4; histone deacetylase 4; HD4; AI047285; 4932408F19Rik

**Gene ID** 208727

**mRNA Refseq** NM\_207225

**Protein Refseq** NP\_997108

**UniProt ID** Q6NZM9

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