

## Recombinant Mouse Hdac9 Protein, Myc/DDK-tagged

Cat. No. Hdac9-3371M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length histone deacetylase 9 (Hdac9), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Devoided of intrinsic deacetylase activity, promotes the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) by recruiting HDAC1 and HDAC3. Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Represses MEF2-dependent transcription, inhibits skeletal myogenesis and may be involved in heart development. Protects neurons from apoptosis, both by inhibiting JUN phosphorylation by MAPK10 and by repressing JUN transcription via HDAC1 recruitment to JUN promoter.
<b>Molecular Mass</b>	65.7 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** Hdac9 histone deacetylase 9 [ *Mus musculus* (house mouse) ]

**Official Symbol** Hdac9

**Synonyms** HDAC9; histone deacetylase 9; histone deacetylase 7B; histone deacetylase-related protein; MEF2-interacting transcription repressor MITR; HD9; HD7B; HDRP; Mitr; Hdac7b; AV022454; mKIAA0744; D030072B18Rik

**Gene ID** 79221

**mRNA Refseq** NM\_024124

**Protein Refseq** NP\_077038

**UniProt ID** Q99N13

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