

Recombinant Mouse Hdac10 Protein, Myc/DDK-tagged

Cat. No. Hdac10-3367M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length histone deacetylase 10 (Hdac10), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Polyamine deacetylase (PDAC), which acts preferentially on N8-acetylspermidine, and also on acetylcadaverine and acetylputrescine. Exhibits attenuated catalytic activity toward N1,N8-diacetylspermidine and very low activity, if any, toward N1-acetylspermidine. Histone deacetylase activity has been observed in vitro. Has also been shown to be involved in MSH2 deacetylation. The physiological relevance of protein/histone deacetylase activity is unclear and could be very weak. May play a role in the promotion of late stages of autophagy, possibly autophagosome-lysosome fusion and/or lysosomal exocytosis in neuroblastoma cells. May play a role in homologous recombination. May promote DNA mismatch repair.
Molecular Mass	72.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Hdac10 histone deacetylase 10 [Mus musculus (house mouse)]
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Official Symbol	Hdac10
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Synonyms	HDAC10; histone deacetylase 10; Hd10; AW548891
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Gene ID	170787
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mRNA Refseq	NM_199198
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Protein Refseq	NP_954668
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UniProt ID	Q6P3E7
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