

Recombinant Mouse Hdac2 Protein, His&GST-tagged

Cat. No. Hdac2-1621M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hdac2 Protein (Met1-Pro488) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Pro488
Description	Enables several functions, including DNA binding activity; Krueppel-associated box domain binding activity; and transcription corepressor binding activity. Involved in several processes, including animal organ development; histone deacetylation; and regulation of gene expression. Acts upstream of or within several processes, including histone modification; nervous system development; and regulation of signal transduction. Located in heterochromatin; nucleus; and replication fork. Part of RNA polymerase II transcription repressor complex. Is expressed in several structures, including alimentary system; brain; early conceptus; genitourinary system; and sensory organ. Human ortholog(s) of this gene implicated in stomach cancer. Orthologous to human HDAC2 (histone deacetylase 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 85.4 kDa Accurate Molecular Mass: 85 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Hdac2 histone deacetylase 2 [Mus musculus (house mouse)]
Official Symbol	Hdac2
Synonyms	HDAC2; histone deacetylase 2; HD2; YY1 transcription factor-binding protein; YAF1; Yy1bp; mRPD3; D10Wsu179e;
Gene ID	15182
mRNA Refseq	NM_008229

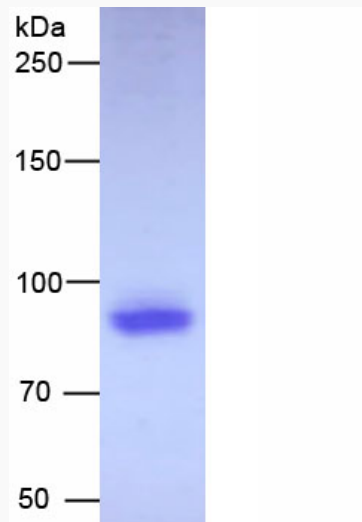
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Protein Refseq NP_032255

UniProt ID P70288



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