

## Recombinant Mouse Hdac2 Protein, His&GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Hdac2 Protein (Met1-Pro488) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Pro488
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 85.4 kDa Accurate Molecular Mass: 85 kDa

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<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

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

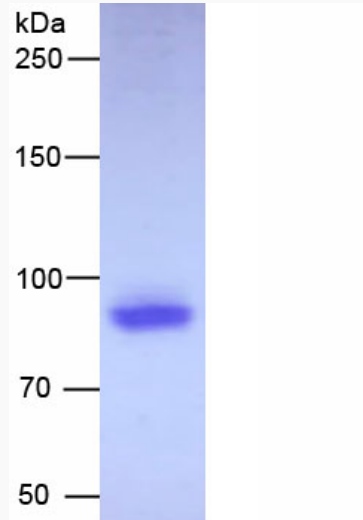
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Protein Refseq NP\_032255

UniProt ID P70288



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