

## Recombinant Human Distone Deacetylase 7, GST-tagged

Cat. No. HDAC7-1594H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human HDAC7 (501-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	501-end a.a.
<b>Description</b>	HDAC7 or Histone deacetylase 7 belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. The protein encoded by HDAC7 gene has sequence homology to members of the histone deacetylase family whose protein promotes repression mediated via the transcriptional co-repressor SMRT. HDAC7 interacts with $\beta$ -catenin keeping endothelial cells in a low proliferation stage.
<b>Applications</b>	HDAC Assay; Western Blot
<b>Molecular Weight</b>	80 kDa
<b>Expression System</b>	Sf9 insect cells using baculovirus
<b>Form</b>	Recombinant protein stored in 50 mM Tris-HCl, PH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Purity</b>	>90%
<b>Concentration</b>	0.1 ug/ul
<b>Specific Activity</b>	80 RLU/min/ng
<b>Sequences</b>	501-end
<b>Storage</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Pathways</b>	B Cell Receptor Signaling Pathway; Cell cycle; HIF-1-alpha transcription factor network; MicroRNAs in cardiomyocyte hypertrophy; Regulation of Androgen receptor activity; Signaling events mediated by HDAC Class I; Signaling events mediated by HDAC Class II; T Cell Receptor Signaling Pathway


## GENE INFORMATION

<b>Gene Name</b>	<a href="#">HDAC7 histone deacetylase 7 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">HDAC7</a>
<b>Synonyms</b>	HDAC7; histone deacetylase 7; HD7A; HDAC7A; FLJ99588; DKFZp586J0917; histone deacetylase 7; HD7; OTTHUMP00000202813; OTTHUMP00000202814; OTTHUMP00000202823; histone deacetylase 7A
<b>Gene ID</b>	<a href="#">51564</a>
<b>mRNA Refseq</b>	<a href="#">NM_015401</a>

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<b>Protein Refseq</b>	NP_056216
<b>MIM</b>	606542
<b>UniProt ID</b>	Q8WUI4
<b>Chromosome Location</b>	12q13
<b>Function</b>	NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific); histone deacetylase activity (H3-K16 specific); hydrolase activity; transcription factor binding; histone deacetylase binding; protein binding; protein deacetylase activity; protein kinase binding; 14-3-3 protein binding; repressing transcription factor binding
<b>PDBrendering based on 2nvr.</b>	

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