

## Recombinant Human HDAC5 protein, GST-tagged

Cat. No. HDAC5-28267TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human full length HDAC5, fused with GST tag at N-terminal, was expressed in Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Form</b>	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 16 mM glutathione, 20% glycerol
<b>Bio-activity</b>	≥2500 pmol/min/μg.
<b>Molecular Mass</b>	150 kDa
<b>Purity</b>	>8%
<b>Unit Definition</b>	One U =1 pmol of acetyl group removed/min/g of enzyme
<b>Applications</b>	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
<b>Storage</b>	>6 months at -80 centigrade. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.04 mg/m

### GENE INFORMATION

 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>Gene Name</b>	HDAC5 histone deacetylase 5 [ Homo sapiens ]
<b>Official Symbol</b>	HDAC5
<b>Synonyms</b>	HDAC5; histone deacetylase 5; FLJ90614; KIAA0600; NY CO 9; antigen NY-CO-9; HD5; NY-CO-9;
<b>Gene ID</b>	10014
<b>mRNA Refseq</b>	NM_005474
<b>Protein Refseq</b>	NP_005465
<b>MIM</b>	605315
<b>UniProt ID</b>	Q9UQL6
<b>Chromosome Location</b>	17q21
<b>Pathway</b>	B Cell Receptor Signaling Pathway, organism-specific biosystem; Cell cycle, organism-specific biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem; NOTCH1 Intracellular Domain Regulates Transcription, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by NOTCH, organism-specific biosystem; Signaling by NOTCH1, organism-specific biosystem;
<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; histone deacetylase activity (H3-K16 specific); hydrolase activity; protein binding; protein kinase C binding;

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repressing transcription factor binding; transcription factor binding; contributes\_to transcription regulatory region DNA binding;

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