

Recombinant Human HDAC5 protein, GST-tagged

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

SPECIFICATION

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

GENE INFORMATION

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Gene Name	HDAC5 histone deacetylase 5 [Homo sapiens]
Official Symbol	HDAC5
Synonyms	HDAC5; histone deacetylase 5; FLJ90614; KIAA0600; NY CO 9; antigen NY-CO-9; HD5; NY-CO-9;
Gene ID	10014
mRNA Refseq	NM_005474
Protein Refseq	NP_005465
MIM	605315
UniProt ID	Q9UQL6
Chromosome Location	17q21
Pathway	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;
Function	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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