

Recombinant Human HDAC5 Protein, GST-tagged

Cat. No. HDAC5-4647H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HDAC5 partial ORF (AAH51824, 330 a.a. - 429 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]</p>
Molecular Mass	36.63 kDa
AA Sequence	AENGFTGSVPNIPTMLPQHRALPLDSSPNQFSLYTSPSLPNISLGLQATVTVTNSHL TASPKLSTQQEAERQALQSLRQGGTLTGKFMSTSSIPGCLLG
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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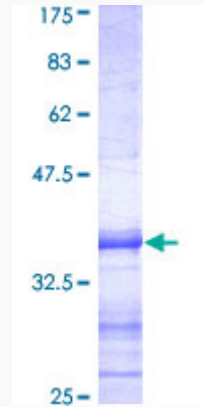
	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene 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_001015053
Protein Refseq	NP_001015053
MIM	605315
UniProt ID	Q9UQL6

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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