

Recombinant Human HDAC5 Protein (681-1087), His tagged

Cat. No. HDAC5-2638H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HDAC5 (681-1087) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	681-1087
Description	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation by repressing transcription of myocyte enhancer MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer. Serves as a corepressor of RARA and causes its deacetylation. In association with RARA, plays a role in the repression of microRNA-10a and thereby in the inflammatory response.
Molecular Mass	43.9 kDa
Purity	>90 % as determined by SDS-PAGE.

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	HDAC5 histone deacetylase 5 [Homo sapiens (human)]
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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