

Recombinant Human Histone Deacetylase 6, GST-tagged

Cat. No. HDAC6-402H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HDAC6 protein was expressed as GST-tagged fusion protein by E. coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
Description	HDAC6 is an enzyme that in humans is encoded by the HDAC6 gene. Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. It contains an internal duplication of two catalytic domains which appear to function independently of each other.
Antigen peptide	C-term-352aa
Expression Vector	PGEX-4T
Full length	False
Reconstitution	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% TritonX-100, 15% glycerol.
Storage	The protein is stored in PBS buffer at -20°C. Repeated freeze-thaw cycles should be avoided.

GENE INFORMATION

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Gene Name	HDAC6 histone deacetylase 6 [Homo sapiens]
Official Symbol	HDAC6
Synonyms	HDAC6; histone deacetylase 6; HD6; JM21; FLJ16239; EC 3.5.1.98; KIAA0901; OTTHUMP00000032398; OTTHUMP00000197663
Gene ID	10013
mRNA Refseq	NM_006044
Protein Refseq	NP_006035
MIM	300272
UniProt ID	Q9UBN7
Chromosome Location	Xp11.23
Pathway	Cell cycle; NOTCH1 Intracellular Domain Regulates Transcription; Signal Transduction; Signaling by NOTCH; Signaling by NOTCH1; Signaling events mediated by HDAC Class I; Signaling events mediated by HDAC Class II; TNF-alpha/NF-kB Signaling Pathway
Function	Hsp90 protein binding; NAD-dependent histone deacetylase activity (H3-K14 specific); NAD-dependent histone deacetylase activity (H3-K9 specific); NAD-dependent histone deacetylase activity (H4-K16 specific); actin binding; alpha-tubulin binding; beta-catenin binding; beta-tubulin binding; dynein complex binding; enzyme binding; histone deacetylase activity; histone deacetylase activity (H3-K16 specific); histone deacetylase binding; hydrolase activity; metal ion binding

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PDB 3C5K.