

Active Recombinant Human Histone Deacetylase 7, GST-tagged

Cat. No. HDAC7-398H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full Length Human HDAC7–Class IIa, 107kD with GST tag.
Species	Human
Source	Insect Cells
Description	Histone deacetylase 7, also known as HDAC7, is a human gene. 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 has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via transcriptional corepressor SMRT. Multiple alternatively spliced transcript variants encoding several isoforms have been found for this gene.
Purity	Purified, active enzyme.
Purification Procedure	Ni ²⁺ Affinity Column
Activity	1000 units per vial. 1 unit is defined as the amount of enzyme that will convert 1picomole per minute per ug of protein at pH8 at 30°C.
Stability/Shelf-life	>6 months from date of shipment

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

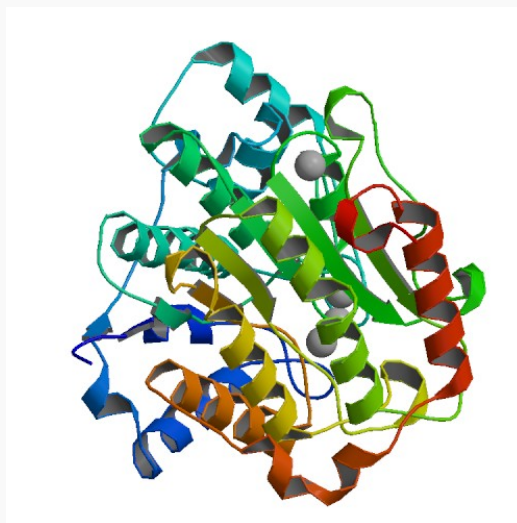
Buffer Composition	25mM Tris pH8, 120mM NaCl, 0.05% Tween-20 & 40% Glycerol.
Storage	−80°C
Full Length	Full L.
GENE INFORMATION	
Gene Name	HDAC7 histone deacetylase 7 [Homo sapiens]
Synonyms	HDAC7A; HDAC7; DKFZP586J0917; histone deacetylase 7; FLJ99588; histone deacetylase 7A.
Gene ID	51564
mRNA Refseq	NM_015401
Protein Refseq	NP_056216
MIM	606542
UniProt ID	Q8WUI4
Chromosome Location	12q13.1
Pathway	Gene Expression
Function	histone deacetylase activity; hydrolase activity

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PDBrendering based
on 2nvr. Available
structures: 2nvr, 2pqo, 2p



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