

Recombinant Human HDAC7 Protein, GST-tagged

Cat. No. HDAC7-4649H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human HDAC7A full-length ORF (AAH06453.1, 1 a.a. - 276 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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 the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Molecular Mass	56.1 kDa
AA Sequence	MGFCFFNSVAIACRQLQQQSKASKILIVDWDVHHGNGTQQTFYQDPSVLYISLHRHD DGNFFPGSGAVDEVGAGSGEGFNVNVAWAGGLDPPMGDPEYLAAFRIVMPIARE FSPDLVLSAGFDAAEGHPAPLGGYHVS AKCFGYMTQQLMNL AGGAVVLALEGGH DLTAICDASEACVAALLGNRVDPLSEEGWKQKPNLNAIRSLEAVIRVHSKYWGCMQ RLASCPDSWVPRVPGADKEEVEAVTALASLSVGILAEDRPSEQLVEEEPEMNL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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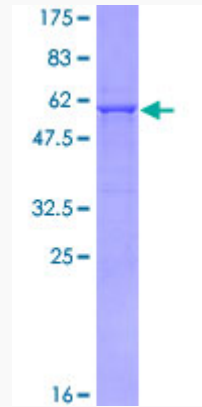
	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HDAC7 histone deacetylase 7 [Homo sapiens]
Official Symbol	HDAC7
Synonyms	HDAC7; histone deacetylase 7; HDAC7A, histone deacetylase 7A; DKFZP586J0917; HD7; histone deacetylase 7A; HD7A; HDAC7A; FLJ99588; DKFZp586J0917;
Gene ID	51564
mRNA Refseq	NM_001098416
Protein Refseq	NP_001091886
MIM	606542
UniProt ID	Q8WUI4

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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