

# Recombinant Full Length Human HDAC10 Protein, GST-tagged

**Cat. No.** HDAC10-3610HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human HDAC10 full-length ORF ( NP_114408.3, 1 a.a. - 669 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	669 amino acids
<b>Description</b>	Acetylation of histone core particles modulates chromatin structure and gene expression. The opposing enzymatic activities of histone acetyltransferases and histone deacetylases, such as HDAC10, determine the acetylation status of histone tails (Kao et al., 2002 [PubMed 11677242]).[supplied by OMIM
<b>Molecular Mass</b>	97.8 kDa
<b>AA Sequence</b>	MGTALVYHEDMTATRLLWDDPECEIERPERLTAALDRLRQRGLEQRCLRLSAREAS EEELGLVHSPEYVSLVRETQVLGKEELQALSGQFDAIYFHPSTFH CARLAAGAGLQL VDAVLTGAVQNGLALVRPPGHHGQRAAANGFCVFNNVAIAAAHAKQKHGLHRILVV DWDVHHGQGIQYLFEDDPSVLYFSWHRYEHRFWPFLRES DADAVGRGQGLGFT VNL PWNQVGMGNADYVAAFHLLLPLAFEFDP ELVLVSAGFDSAIGDPEGQM QATP ECFAHLTQLLQVLAGGRVCAVLEGGYHLES LAESVCMTVQTLLGDPAPPLSGPMAP CQSALESIQSARAAQAPHWKS LQQQDV TAVPMS PSSHSPEGRPP LLLPGGPVCKA AASAPSSLLDQPCLCPAPSVRTAVALTTPDITLVLPDVIQQEASALREETEAWARPH ESLAREEALTALGKLLYLLDGM LDGQVNSGIAATPASAAAATLDVAVRRGLSHGAQR

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LLCVALGQLDRPPDLAHDGRSLWLNIRGKEAAAALSMFHVSTPLPVMTGGFLSCILGL  
 VLPLAYGFQPDVLVVALGPGHGLQGPHAALLAAMLRLAGGRVLALLEENSTPQLA  
 GILARVLNGEAPPSLGPSSVASPEDVQALMYLRGQLEPQWKMLQCHPHLVA

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	HDAC10 histone deacetylase 10 [ Homo sapiens ]
<b>Official Symbol</b>	HDAC10
<b>Synonyms</b>	HDAC10; histone deacetylase 10; DKFZP761B039; HD10; MGC149722; DKFZp761B039;
<b>Gene ID</b>	83933
<b>mRNA Refseq</b>	NM_001159286
<b>Protein Refseq</b>	NP_001152758
<b>MIM</b>	608544

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