

Recombinant Human HDAC10 Protein, GST-tagged

Cat. No. HDAC10-4640H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HDAC10 full-length ORF (NP_114408.3, 1 a.a. - 669 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	97.8 kDa
AA Sequence	MGTALVYHEDMTATRLLWDDPECEIERPERLTAALDRLRQRGLEQRCLRLSAREAS EEELGLVHSPEYVSLVRETQVLGKEELQALSGQFDAIYFHPSTFHCARLAAGAGLQL VDAVLTGAVQNGLALVRPPGHHGQRAAANGFCVFNNVAIAAAHAKQKHGLHRILVV DWDVHHGQGIQYLFEDDPSVLYFSWHRYEHGRFWPFLRESADAVGRGQGLGFT VNL PWNQVGMGNADYVAAFLHLLPLAFEFDPVLVLSAGFDSAIGDPEGQM QATP ECFAHLTQLLQVLAGGRVCAVLEGGYHLES LAESVCMTVQTLLGDPAPPLSGPMAP CQSALESIQSARAAQAPHWKS LQQQDVTAVPMSPSSH SPEGRPPPLLPGGPVCKA AASAPSSLLDQPCLCPAPSVRTAVALTTPDITLVLPDVIQQEASALREETEAWARPH ESLAREEALTALGKLLYLLDGM LDGQVNSGIAATPASAAAATLDVAVRRGLSHGAQR LLCVALGQLDRPPDLAHDGRSLWLNIRGKEAAALSMFHVSTPLPVM TGGFLSCILGL

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VLPLAYGFQPDVLVALGPGHGLQGPHAALLAAMLRLAGGRVLALLEENSTPQLA
GILARVLNGEAPPSLGPSSVASPEDVQALMYLRGQLEPQWKMLQCHPHLVA

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
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

HDAC10 histone deacetylase 10 [Homo sapiens]

Official Symbol

HDAC10

Synonyms

HDAC10; histone deacetylase 10; DKFZP761B039; HD10; MGC149722;
DKFZp761B039;

Gene ID

83933

mRNA Refseq

NM_001159286

Protein Refseq

NP_001152758

MIM

608544

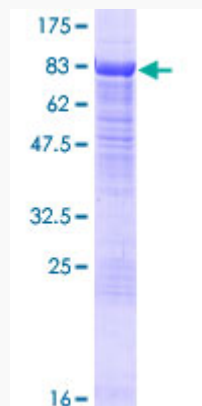
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UniProt ID

Q969S8

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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