

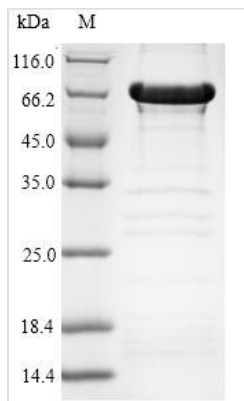


# Recombinant Human Protein deacetylase HDAC6 (HDAC6), partial

<b>Product Code</b>	CSB-EP010242HU
<b>Relevance</b>	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer. By similarity <sup>3</sup> Publications In addition to its protein deacetylase activity, plays a key role in the degradation of misfolded proteins: when misfolded proteins are too abundant to be degraded by the chaperone refolding system and the ubiquitin-proteasome, mediates the transport of misfolded proteins to a cytoplasmic juxtannuclear structure called aggresome. Probably acts as an adapter that recognizes polyubiquitinated misfolded proteins and target them to the aggresome, facilitating their clearance by autophagy.
<b>Abbreviation</b>	Recombinant Human HDAC6 protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9UBN7
<b>Storage Buffer</b>	Tris-based buffer, 50% glycerol
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MTSTGQDSTTTTRQRRSRQNPQSPPQDSSVTSKRNIKKGAVPR SIPNLAEVKK KGKMKKLGQAMEEDLIVGLQGMDLNLEAEALAGTGLVLDEQLNEFHCLWDDS FPEGPERLHAIKEQLIQEGLLDRCVSFQARFAEKEELMLVHSLEYIDLMETTQY MNEGELRVLADTYDSVYLHPNSYSCACLASGSVLRLVDAVLGAEIRNGMAIIRP PGHHAQHSLMDGYCMFNHVAVAAARYAQQKHRIRRVLIVDWDVHHGQGTQFT FDQDPSVLYFSIHRYEQGRFWPHLKASNWSTTGFGQGQGYTINVPWNQVGM RDADYIAAFHVLLPVALEFQPQLVLVAAGFDALQGDPKGEMAATPAGFAQLT HLLMGLAGGKLILSLEGGYNLRALAEVGSASLHTLLGDPCPMLESPGAPCRSA QASVSCALEALEPFWEVLVLRSTETVERDNMEEDNVEESEEEGPWEPPVLPILT WPVLQSRTGLVYDQN
<b>Source</b>	E.coli
<b>Target Names</b>	HDAC6
<b>Protein Names</b>	Recommended name: Histone deacetylase 6 Short name= HD6 EC= 3.5.1.98



<b>Expression Region</b>	1-488aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	70.1 kDa
<b>Protein Length</b>	Partial

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Shelf Life**

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