

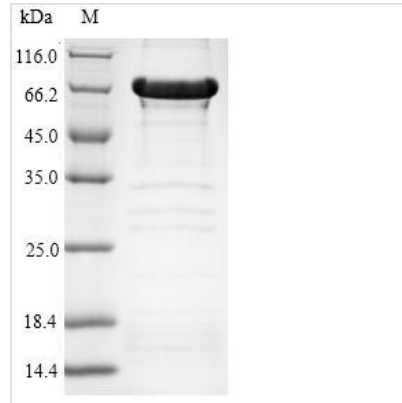


Recombinant Human Protein deacetylase HDAC6 (HDAC6), partial

Product Code	CSB-EP010242HU
Relevance	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 ³ 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.
Abbreviation	Recombinant Human HDAC6 protein, partial
Storage	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.
Uniprot No.	Q9UBN7
Storage Buffer	Tris-based buffer, 50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MTSTGQDSTTTTRQRRSRQNPQSPQDSSVTSKRNIKKGAVPR SIPNLAEVKK KGKMKKLGQAMEEDLIVGLQGMDLNLEAEALAGTGLVLDEQLNEFHCLWDDS FPEGPERLHAIKEQLIQEGLLDRCVSFQARFAEKEELMLVHSLEYIDLMETTQY MNEGELRVLADTYDSVYLHPNSYSCACLASGSVLRVLDAVLGAEIRNGMAIIRP PGHHAQHSLMDGYCMFNHVAVAARYAQQKHRIRRVLVDWDVHHGQGTQFT FDQDPSVLYFSIHRYEQGRFWPHLKASNWSTTGFGQGQGYTINVPWNQVGM RDADYIAAFLHVLLPVALEFQPQLVLVAAGFDALQGDPKGEMAATPAGFAQLT HLLMGLAGGKLILSLEGGYNLRALAEVGSASLHTLLGDPMPLESPGAPCRSA QASVSCALEALEPFWEVLVVRSTETVERDNMEEDNVEESEESEEGPWPEPVLPILT WPVLQSRTGLVYDQN
Source	E.coli
Target Names	HDAC6
Protein Names	Recommended name: Histone deacetylase 6 Short name= HD6 EC= 3.5.1.98



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

Image

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

Shelf Life

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