

Recombinant Human Histone deacetylase 6 HDAC6

Catalog No: #AP74156

Package Size: #AP74156-1 20ug #AP74156-2 100ug #AP74156-3 1mg

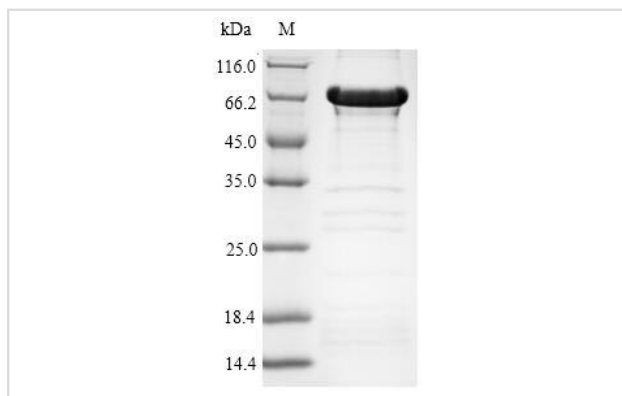
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Description

Product Name	Recombinant Human Histone deacetylase 6 HDAC6
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-488aaSequence Info:Partial
Accession No.	Q9UBN7
Uniprot	Q9UBN7
GeneID	10013;
Calculated MW	70.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MTSTGQDSTTTRQRRSRQNPQSPQDSSVTSKRNIKKGAVPRISIPNLAEVKKGKMKKLGQAMEEDLIVGLQ GMDLNLEAEALAGTGLVLDLDEQLNEFHCLWDDSFPEGPERLHAIKEQLIQEGLLDRCVFSQARFAEKEELMLVH SLEYIDLMETTQYMNEGELRVLADTYDSVYLHPNSYSCACLASGSVLRLLVDAVLGAEIRNGMAIIRPPGHHAQH SLMDGYCMFNHVAARYAQQKHRIRRVLIVDWDVHHGQGTQFTFDQDPSVLVYFSIHRYEQGRFWPHLKAS NWSTTGFGQGGQYTINVPWNQVGMRDADYIAAFLHVLLPVALEFQPQLVLAAGFDALQGDPKGEMAATPA GFAQLTHLLMGLAGGKLILSLEGGYNLRALAEVGSASLHTLLGDPCPMLESPGAPCRSAQASVSCALEALEPF WEVLRSTETVERDNMEEDNVEESEEEGPWEPPVLPILTWPVLQSRTGLVYDQN
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



Background

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 similarity3 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.

References

"Three proteins define a class of human histone deacetylases related to yeast Hda1p."Grozinger C.M., Hassig C.A., Schreiber S.L.Proc. Natl. Acad. Sci. U.S.A. 96:4868-4873(1999)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only