

Product datasheet

Recombinant Human HDAC6 protein (Tagged)
 ab226403

1 Image

Description

Product name	Recombinant Human HDAC6 protein (Tagged)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	Q9UBN7
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MTSTGQDSTTTRQRRSRQNPQSPPQDSSVTSKRNIKKGA VPRSIPNLAEV KKKGKMKKLGQAMEEDLIVGLQGMDLNLEAEALAGTGLV LDEQLNEFHCL WDDSFPEGPERLHAIKEQLIQEGLLDRCVSFQARFAEKE ELMLVHSLEYI DLMETTQYMNEGELRVLADTYDSVYLHPNSYSCACLASG SVLRLVDAVLG AEIRNGMAIIRPPGHHAQHSLMDGYCMFNHVAVAARYAQQ KHRIRRVLIV DWDVHHGQGTQFTFDQDPSVLYFSIHRYEQGRFWPHLKA SNWSTTGFGQG QGYTINVPWNQVGMRDADYIAAFLHVLLPVALEFQPQLVL VAAGFDALQG DPKGEMAATPAGFAQLTHLLMGLAGGKLILSLEGGYNLRA LAEGVSASLH TLLGDPCPMLESPGAPCRSAQASVSCALEALEPFWEVL VRSTETVERDNM EEDNVEESEEEGPEPPVLPILTWPVLQSRTGLVYDQN </pre>
Predicted molecular weight	70 kDa including tags
Amino acids	1 to 488
Tags	His tag N-Terminus

Additional sequence information 6xHis-SUMO tag at the N-terminus.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab226403** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Constituents: 50% Glycerol (glycerin, glycerine), Tris buffer

General Info

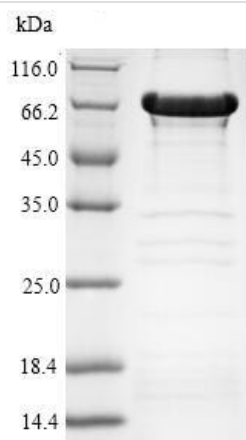
Function Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin.

Sequence similarities Belongs to the histone deacetylase family. HD type 2 subfamily. Contains 1 UBP-type zinc finger.

Post-translational modifications Ubiquitinated. Its polyubiquitination however does not lead to its degradation. Sumoylated in vitro.

Cellular localization Nucleus. Cytoplasm. It is mainly cytoplasmic, where it is associated with microtubules.

Images



SDS-PAGE - Recombinant Human HDAC6 protein
(Tagged) (ab226403)

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis of ab226403 with 5% enrichment gel and 15% separation gel.

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