

Recombinant human HDAC6 protein (Active) ab268616

2 Images

Description	
Product name	Recombinant human HDAC6 protein (Active)
Biological activity	The specific activity of ab268616 was determined to be 6,600 RLU/min/ng in a HDAC assay.
Purity	> 85 % Densitometry. Densitometry was followed by the affinity column that resulted in >95% purity.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>BC069243</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MTSTGQDSTTTRQRRSRQNPQSPPQDSSVTSKRNIKKGA VPRSIPNLAEV KKKGKMKKLQGAMEEDLIVGLQGMDLNLEAEALAGTGLV LDEQLNEFHCL WDDSFPEGPERLHAIKEQLIQEGLLDRCVSFQARFAEKE ELMLVHSLEYI DLMETTQYMNELRVLADTYDSVYLHPNSYSCACLASG SVLRLVDAVLG AEIRNGMAIIRPPGHHAQHSLMDGYCMFNHVAVAARYAQQ KHRIRRVLI DWDVHHGQGTQFTFDQDPSVLYFSIHRYEQGRFWPHLKA SNWSTTGFGQG QGYTINVPWNQVGMRDADYIAAFLHVLLPVALEFQPQLVL VAAGFDALQG DPKGEMAATPAGFAQLTHLLMGLAGGKLILSLEGGYNLRA LAEGVSASLH TLLGDPCPMLESPGAPCRSAQASVSCALEALEPFWEVL VRSTETVERDNM EEDNVEESEEPPWEPPVLPILTWPVLQSRTGLVYDQNM MNHCLWDSHH PEVPQRILRIMCRLEELGLAGRCLTLTPRPATEAELLTCHS AEYVGLHRA TEKMKTRELHRESSNFDSYCPSTFACAQLATGAACRLVE AVLSGEVLN

GAAVVRPPGHAEQDAACGFCFFNSVAVARHAQTISGH
ALRILVDWDV
HHGNGTQHMFEDDPSVLVSLHRYDHGTFFPMGDEGAS
SQIGRAAGTGFT
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GFDAARGDPLG
GCQVSPEGYHLTHLLMGLASGRILILEGGYNLTSISESMA
ACTRSLLG
DPPPLLTLRPPLSGALASITETIQVHRRYWRSLRVMKVED
REGPSSSKL
VTKKAPQPAKPRLAERMTTREKKVLEAGMGKVTSASFGE
ESTPGQTNSET
AVVALTQDQPSEAATGGATLAQTISEAAIGGAMLGQTTSE
EAVGGATPDQ
TTSEETVGGAILDQTTSEDAVGGATLGQTTSEEAVGGATL
AQTTEAAME
GATLDQTTSEEAPGGTELIQTPLASSTDHQTPTSPVQGT
TPQISPSTLI
GSLRTLELGSESQGASESQAPGEENLLGEAAGGQDMAD
SMLMQGSRGLTD
QAIFYAVTLPWCPHLVAVCPIPAAGLDVTQPCGDCGTIQ
ENWVCLSCYQ
VYCGRYINGHMLQHHGNSGHPLVLSYIDLSAWCYCQAYV
HHQALLDVKNIAHQNKFGEDMPHPH

Molecular weight information	SDS-PAGE molecular weight: ~150kDa
Amino acids	1 to 1215
Tags	GST tag N-Terminus
Additional sequence information	GenBank: BC069243

Specifications

Our **Abpromise guarantee** covers the use of **ab268616** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Liquid

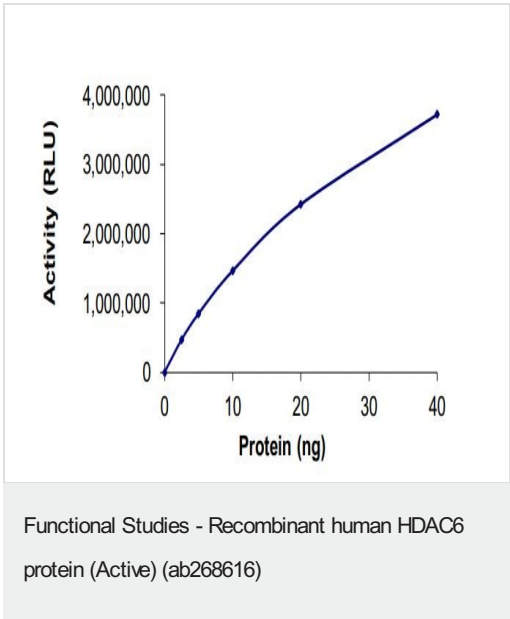
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.50 Constituents: 0.79% Tris HCl, 0.87% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol This product is an active protein and may elicit a biological response in vivo, handle with caution.
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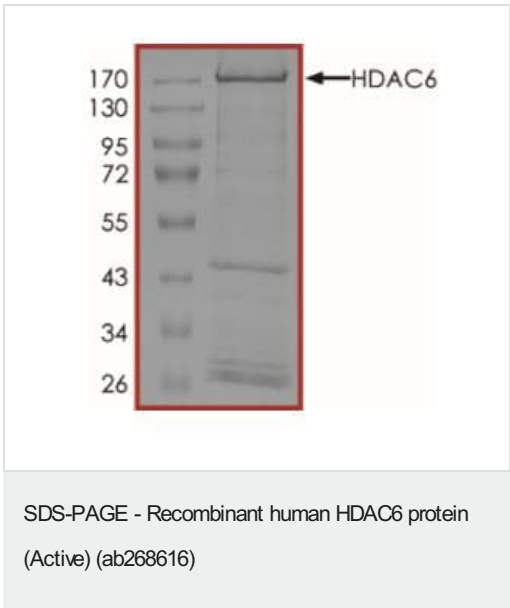
General Info

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



The specific activity of ab268616 was determined to be 6,600 RLU/min/ng in a HDAC assay.



SDS-PAGE analysis of ab268616.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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