

Recombinant human HDAC1 protein ab101661

4 References 5 图像

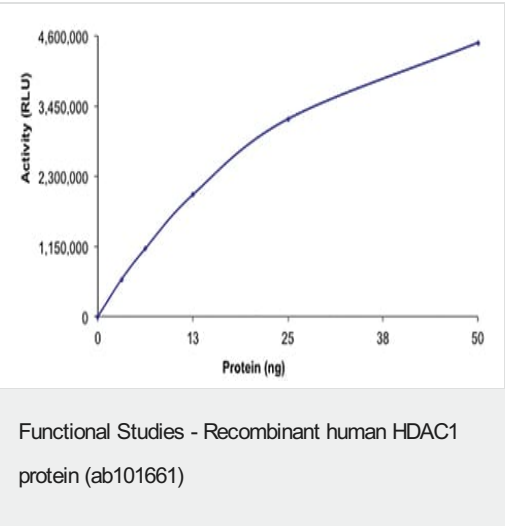
描述	
产品名称	重组人HDAC1蛋白
生物活性	The Specific activity of ab101661 was determined to be 8900 RLU/min/ng.
纯度	> 70 % SDS-PAGE. >70% by densitometry. Affinity purified.
表达系统	Baculovirus infected insect cells
Accession	<u>Q13547</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	88 kDa including tags
氨基酸	1 to 482

技术指标	
Our <b>Abpromise guarantee</b> covers the use of <b>ab101661</b> in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	Functional Studies Western blot
形式	Liquid

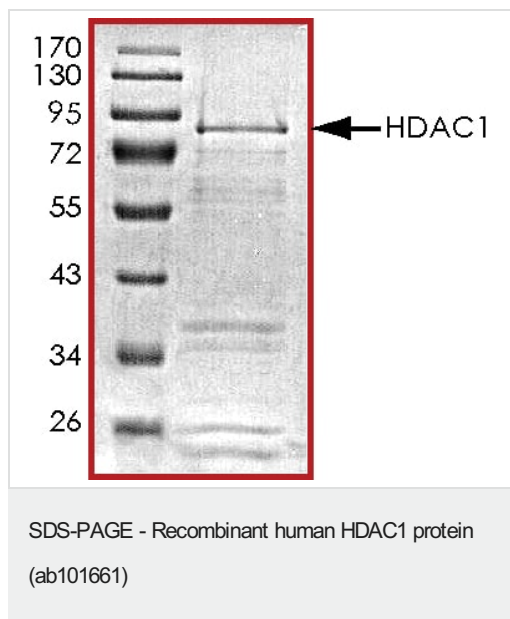
制备和贮存	
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.307% Glutathione, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.

功能	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. Deacetylates SP proteins, SP1 and SP3, and regulates their function. Component of the BRG1-RB1-HDAC1 complex, which negatively regulates the CREST-mediated transcription in resting neurons. Upon calcium stimulation, HDAC1 is released from the complex and CREBBP is recruited, which facilitates transcriptional activation. Deacetylates TSHZ3 and regulates its transcriptional repressor activity. Deacetylates 'Lys-310' in RELA and thereby inhibits the transcriptional activity of NF-kappa-B.
组织特异性	Ubiquitous, with higher levels in heart, pancreas and testis, and lower levels in kidney and brain.
序列相似性	Belongs to the histone deacetylase family. HD type 1 subfamily.
翻译后修饰	Sumoylated on Lys-444 and Lys-476; which promotes enzymatic activity. Desumoylated by SENP1. Phosphorylation on Ser-421 and Ser-423 promotes enzymatic activity and interactions with NuRD and SIN3 complexes. Ubiquitinated by CHFR, leading to its degradation by the proteasome.
细胞定位	Nucleus.

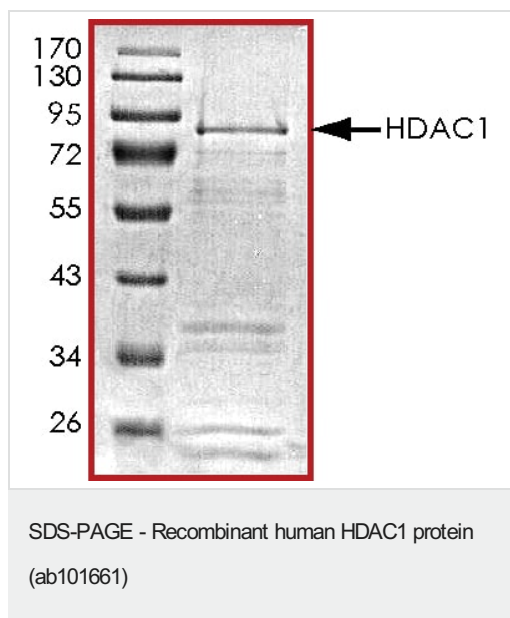
图片



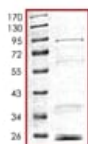
The specific activity of HDAC1 (ab101661) was determined to be 10230 RLU/min/mg as per activity assay protocol



SDS PAGE analysis of ab101661

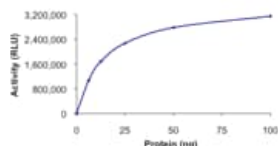


SDS PAGE analysis of ab101661



SDS-PAGE showing ab101661 at approximately 88kDa.

SDS-PAGE - Recombinant human HDAC1 protein (ab101661)



The Specific activity of ab101661 was determined to be 8900 RLU/min/ng.

Functional Studies - Recombinant human HDAC1 protein (ab101661)

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

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