

Recombinant human HDAC10 protein ab157080

Description

Product name	Recombinant human HDAC10 protein
Biological activity	Hydrolysis of N-e-acetyl-lysine residues of histones. Specific Activity: >2U/μg. One unit is defined as the amount of enzyme that deacetylates 1 pmol/min of Fluor de Lys™-SIRT1 substrate at 37°C / 500μM.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>Q969S8</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p> MGTALVYHEDMTATRLLWDDPECEIERPERLTAALDRLRQ RGLEQRCLRL SAREASEEELGLVHSPEYVSLVRETQVLGKEELQALSGQ FDAMFHPSTF HCARLAAGAGLQLVDAVLTGAVQNGLALVRPPGHHGQR AAANGFCVFNNV AIAAAHAKQKHGLHRILVVDWDVHHGQGIQYLFEDDPSVL YFSWHRYEHG RFWPFLRESADAVGRGQGLGFTVNLPWNQVGMGNAD YVAAFLHLLLPLA FEFDPELVLSAGFDSAIGDPEGQMQUATPECFAHLTQLL QVLAGGRVCAV LEGGYHLESIAESVCMTVQTLLGDPAPPLSGPMAPCQSA LESIQSARAAQ APHWKSLQQQDVTAVPMSPSSHSPEGRPPPLLPGGPVC KAAASAPSSLLD QPCLCPAPSVRTAVALTTPDITLVLPDVIQGEASALREET EAWARPHES LAREEALTALGKLLYLLDGMLDGQVNSGIAATPASAAAAT LDVAVRRGLS HGAQRLLCVALGQLDRPPDLAHDGRSLWLNIRGKEAAAL SMFHVSTPLPV MTGGFLSCILGLVLPLAYGFQPDVLVVALGPGHGLQGPHA ALLAAMLRGL AGGRVLALLEENSTPQLAGILARVLNGEAPPSLGPSSVAS </p>

Predicted molecular weight	71 kDa including tags
Amino acids	1 to 669
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab157080** 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
Additional notes	Stable on ice for approx. 1h. Snap freezing in liquid nitrogen is recommended if refreezing of remaining, undiluted enzyme if necessary.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Please see notes section. Store undiluted. Constituents: 0.61% Tris, 10% Glycerol (glycerin, glycerine), 0.81% Sodium chloride 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.
Tissue specificity	Ubiquitous. High expression in liver, spleen, pancreas and kidney.
Sequence similarities	Belongs to the histone deacetylase family. HD type 2 subfamily.
Cellular localization	Cytoplasm. Nucleus. Excluded from the nucleoli.

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

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