

Product datasheet

Recombinant Human Chd1 protein ab117050

1 Image

Overview

Product name	Recombinant Human Chd1 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ

Amino Acid Sequence

Accession	O14646
Species	Human
Sequence	IKALKDSSSGTERTGGRLGKVKGPTFRISGVQVNAKLVISHEEELIPLHK SIPSDPEERKQYTIPCHTKAAHFDIDWGKEDDSNLLIGIYEYGYGS
Molecular weight	36 kDa including tags
Amino acids	1177 to 1272

Specifications

Our [Abpromise guarantee](#) covers the use of **ab117050** in the following tested applications.

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

Applications	ELISA Western blot SDS-PAGE
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml. Best use within three months from the date of receipt of this protein.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00
------------------------------	---

Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function

ATP-dependent chromatin-remodeling factor which functions as substrate recognition component of the transcription regulatory histone acetylation (HAT) complex SAGA. Regulates polymerase II transcription. Also required for efficient transcription by RNA polymerase I, and more specifically the polymerase I transcription termination step. Regulates negatively DNA replication. Not only involved in transcription-related chromatin-remodeling, but also required to maintain a specific chromatin configuration across the genome. Is also associated with histone deacetylase (HDAC) activity (By similarity). Required for the bridging of SNF2, the FACT complex, the PAF complex as well as the U2 snRNP complex to H3K4me3. Functions to modulate the efficiency of pre-mRNA splicing in part through physical bridging of spliceosomal components to H3K4me3. Required for maintaining open chromatin and pluripotency in embryonic stem cells.

Sequence similarities

Belongs to the SNF2/RAD54 helicase family.

Contains 2 chromo domains.

Contains 1 helicase ATP-binding domain.

Contains 1 helicase C-terminal domain.

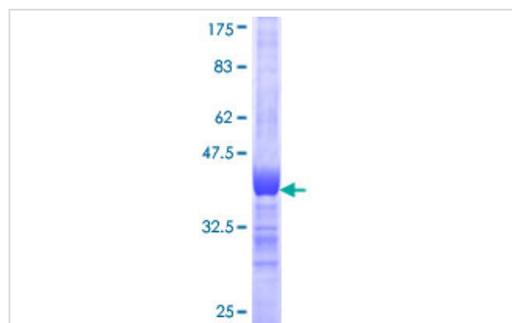
Domain

The 2 chromodomains are involved in the binding to the histone H3 methyllysine at position 4 (H3K4me3).

Cellular localization

Nucleus. Cytoplasm. Is released into the cytoplasm when cells enter mitosis and is reincorporated into chromatin during telophase-cytokinesis.

Images



12.5% SDS-PAGE showing ab117050 at approximately 36.19 kDa.

Stained with Coomassie Blue.

SDS-PAGE - Chd1 protein (Human) (ab117050)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors