

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.

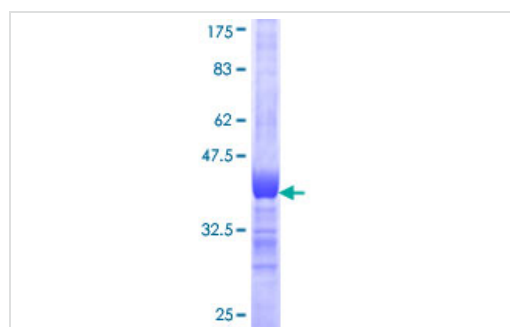
Domain

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



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

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

Stained with Coomassie Blue.

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