

Product datasheet

# Recombinant Human Chd1 protein ab117050

1 Image

Overview

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**Product name** Recombinant Human Chd1 protein  
**Protein length** Protein fragment

Description

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**Nature** Recombinant  
**Source** Wheat germ  
**Amino Acid Sequence**  
**Accession** [O14646](#)  
**Species** Human  
**Sequence** IKALKDSSSGTERTGGRLGKVKGPTFRISGVQVNAKLVISHEEELIPLHK  
 SIPSDPEERKQYTIPCHTKAAHFDIDWGEDDSNLLIGIYEYGYGS  
**Molecular weight** 36 kDa including tags  
**Amino acids** 1177 to 1272

Specifications

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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

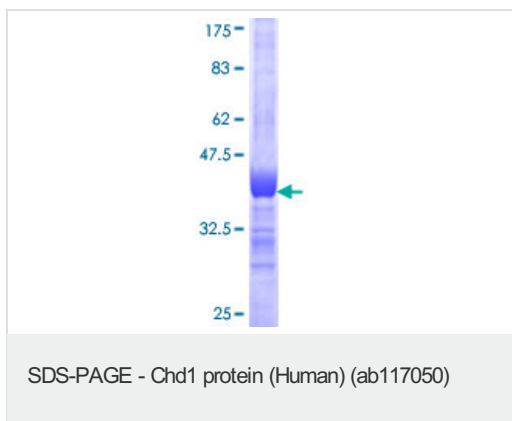
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**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
 pH: 8.00  
 Constituents: 0.3% Glutathione, 0.79% Tris HCl

## General Info

<b>Function</b>	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.
<b>Sequence similarities</b>	Belongs to the SNF2/RAD54 helicase family. Contains 2 chromo domains. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.
<b>Domain</b>	The 2 chromodomains are involved in the binding to the histone H3 methyllysine at position 4 (H3K4me3).
<b>Cellular localization</b>	Nucleus. Cytoplasm. Is released into the cytoplasm when cells enter mitosis and is reincorporated into chromatin during telophase-cytokinesis.

## Recombinant Human Chd1 protein images



12.5% SDS-PAGE showing ab117050 at approximately 36.19 kDa.  
Stained with Coomassie Blue.

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

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