

Datasheet for ABIN7553368
CHD1L Protein (AA 1-897) (His tag)



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Overview

Quantity:	1 mg
Target:	CHD1L
Protein Characteristics:	AA 1-897
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CHD1L protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CHD1L Protein expressed in mammalian cells.
Sequence:	MERAGATSRG GQAPGFLRL HTEGRAEAAR VQEQLRQWG LTGIHLRSYQ LEGVNWLAQR FHCQNGCILG DEMGLGKTCQ TIALFIYLAG RLNDEGPFLI LCPLSVLSNW KEEMQRFAPG LSCVTYAGDK EERACLQDDL KQESRFHVLL TTYEICKDA SFLKSFPWSV LVVDEAHLK NQSSLLHKTLL SEFSVVFSLT LTGTPIQNSL QELYSLLSFV EPDLFSKEEV GDFIQRYQDI EKESESASEL HKLLQPFLLR RVKAEVATEL PKKTEVVIYH GMSALQKKYY KAILMKDLDA FENETAKKVK LQNILSQLRK CVDHPYLFDG VEPEPFVGD HLTEASGLKH LLDKLLAFLY SGGHRVLLFS QMTQMLDILQ DYMDYRGYSY ERVDGSRVGE ERHLAIKNFG QQPIFVFLLS TRAGGVGMNL TAADTVIFVD SDFNPQNDLQ AAARAHRIQ NKSVKVIRLI GRDTVEEIVY RKAASKLQLT NMIIEGGHFT LGAQKPAADA DLQLSEILKF GLDKLLASEG STMDEIDLK ILGETKDGQW VSDALPAAEG GSRDQEEGKN HMYLFEGKDY SKEPSKEDRK SFEQLVNLQK TLLEKASQEG RSLRNKGSVL IPGLVEGSTK RKRVLSPPEL EDRQKKRQEA AAKRRRLIEE

Product Details

KKRQKEEAH KKKMAWWESN NYQSFCLPSE ESEPEDLENG EESSAELDYQ DPDATSLKYV
SGDVTHPQAG AEDALIVHCV DDSGHWGRGG LFTALEKRSA EPRKIYELAG KMKDLSLGGV
LLFPVDDKES RNKGQDLLAL IVAQHRDRSN VLSGIKMAAL EEGLKKIFLA AKKKKASVHL
PRIGHATKGF NWYGTERLIR KHLAARGIPT YIYFPRSKS AVLHSQSSSS SSRQLVP **Sequence
without tag. The proposed Purification-Tag is based on experiences with the expression
system, a different complexity of the protein could make another tag necessary. In case you
have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

CHD1L

Alternative Name:

CHD1L ([CHD1L Products](#))

Background:

Chromodomain-helicase-DNA-binding protein 1-like (EC 3.6.4.-) (Amplified in liver cancer protein 1),FUNCTION: ATP-dependent chromatin remodeler that mediates chromatin-remodeling following DNA damage (PubMed:19661379, PubMed:29220652, PubMed:29220653, PubMed:33357431, PubMed:34486521, PubMed:34874266, PubMed:34210977). Recruited to DNA damage sites through interaction with poly-ADP-ribose: specifically recognizes and binds histones that are poly-ADP-ribosylated on serine residues in response to DNA damage

Target Details

(PubMed:19661379, PubMed:29220652, PubMed:29220653, PubMed:34874266, PubMed:34486521). Poly-ADP-ribose-binding activates the ATP-dependent chromatin remodeler activity, thereby regulating chromatin during DNA repair (PubMed:19661379, PubMed:29220652, PubMed:29220653, PubMed:34874266, PubMed:34486521). Catalyzes nucleosome sliding away from DNA breaks in an ATP-dependent manner (PubMed:19661379, PubMed:29220652, PubMed:29220653). Chromatin remodeling activity promotes PARP2 removal from chromatin (PubMed:33275888). {ECO:0000269|PubMed:19661379, ECO:0000269|PubMed:29220652, ECO:0000269|PubMed:29220653, ECO:0000269|PubMed:33275888, ECO:0000269|PubMed:33357431, ECO:0000269|PubMed:34210977, ECO:0000269|PubMed:34486521, ECO:0000269|PubMed:34874266}.

Molecular Weight: 101.0 kDa

UniProt: [Q86WJ1](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months