

# Recombinant human CHCHD7 protein

Catalog Number: ATGP2814

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-97aa

### UniProt No.

Q9BUK0

### NCBI Accession No.

NP\_077276

### Alternative Names

Coiled-coil-helix-coiled-coil-helix domain-containing protein 7, COX23

## PRODUCT SPECIFICATION

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### Molecular Weight

13.9 kDa (120aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CHCHD7 is a newly identified member of a multifamily of proteins containing a conserved (coiled coil 1) - (helix 1) - (coiled coil 2) - (helix 2) domain. Its biological function is unknown and the gene has hitherto not been associated with neoplasia. CHCHD7 and PLAG1 are located head-to-head about 500 bp apart in 8q12. Molecular analyses of 27 tumors revealed CHCHD7-PLAG1 fusions in three tumors, two of which had t (6;8) and t (8;15) translocations as the sole anomalies and one a normal karyotype. Recombinant human CHCHD7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMHQTRTG KKTVRMPSTV QLRDPDINP CLSESDASTR CLDENNYDRE RCSTYFLRYK  
NCRRFWNSIV MQRKNGVKP FMPTAAERDE ILRAVGNMPY

## General References

Asp J. et al. (2006) Genes Chromosomes Cancer. 45:820-828

Banci L. et al. (2012) J Struct Biol. 180:190-200.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)