

Recombinant human CHCHD3 protein

Catalog Number: ATGP2378

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-227aa

UniProt No.

Q9NX63

NCBI Accession No.

NP_060282

Alternative Names

Coiled-coil-helix-coiled-coil-helix domain containing protein 3, MINOS3, PPP1R22

PRODUCT SPECIFICATION

Molecular Weight

28.5 kDa (250aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

Purity

> 80% 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

Description

Coiled-coil-helix-coiled-coil-helix domain containing protein 3, also known as CHCHD3, is required for maintenance of mitochondrial crista integrity and mitochondrial function. This protein may act as a scaffolding protein that stabilizes protein complexes involved in crista architecture and protein import. It has also been shown to function as a transcription factor which binds to the BAG1 promoter and represses BAG1 transcription. Recombinant human CHCHD3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

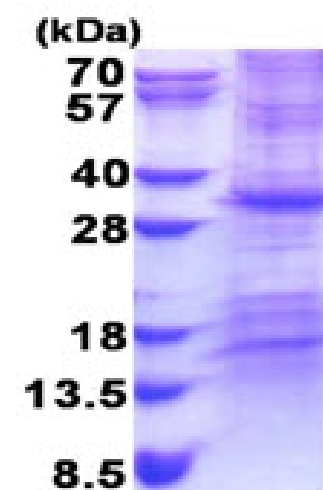
MGSSHHHHHH SGLVPRGSH MGSMGGTTST RRVTFEADEN ENITVVKGIR LSENVDRMK ESSPSGSKSQ RYSGAYGASV
SDEELKRRVA EELALEQAKK ESEDQRLKQ AKELDRERAA ANEQLTRAIL RERICSEER AKAKHLARQL EEKDRVLKKQ
DAFYKEQLAR LEERSSEFYR VTTEQYQKAA EEVEAKFKRY ESHPVCADLQ AKILQCYREN THQTLKCSAL ATQYMHCVNH
AKQSMLEKGG

General References

Liu H., et al. (2012) PLoS ONE. 7:E34832-E34832
Alkhaja A.K., et al. (2012) Mol. Biol. Cell. 23:247-257

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)