

Recombinant Human coiled-coil-helix-coiled-coil-helix domain containing 3, His-tagged

Cat. No. CHCHD3-295H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CHCHD3, 1-227aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-227 a.a.
Description	Coiled-coil-helix-coiled-coil-helix domain containing protein 3, also known as CHCHD 3, 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Molecular Mass	28.5 kDa (250aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGGTTST RRVTFEADEN ENITVVKGIR LSENVIDRMK ESSPSGSKSQ RYSGAYGASV SDEELKRRVA EELALEQAKK ESEDQKRLKQ AKELDRERAA ANEQLTRAIL RERICSEER AKAKHLARQL

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EEKDRV LKKQ DAFYKEQLAR LEERSSEFYR VTTEQYQKAA EEVEAKFKRY
ESHPVCADLQ AKILQCYREN THQTLKCSAL ATQYMHCNVH AKQSMLEKGG

Purity >80% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [CHCHD3 coiled-coil-helix-coiled-coil-helix domain containing 3 \[Homo sapiens \]](#)

Official Symbol CHCHD3

Synonyms CHCHD3; coiled-coil-helix-coiled-coil-helix domain containing 3; coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial; FLJ20420; MINOS3; mitochondrial inner membrane organizing system 3; PPP1R22; protein phosphatase 1; regulatory subunit 22; protein phosphatase 1, regulatory subunit 22;

Gene ID [54927](#)

mRNA Refseq [NM_017812](#)

Protein Refseq [NP_060282](#)

MIM [613748](#)

UniProt ID [Q9NX63](#)

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Chromosome Location	7q33
Function	phosphatase binding; protein binding; protein complex scaffold;