

CHCHD3, 1-227aa, Human, His tag, E.coli

Cat.NO.: TP01600

3th Edition

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

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.

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

Molecular Weight: 28.5 kDa (250aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMGGTTSTRVTFEADENENITVVKGIRLSENVIDRMKESSPSGSKSQRYSG
AYGASVSDEELKRRVAEELALEQAKKESEDQKRLKQAKELDRERAAANEQLTRAILRERICSEEERAKAKHLARQL
EEKDRVLKKQDAFYKEQLARLEERSSEFYRVTTTEQYQKAAEEVEAKFKRYESHPCADLQAKILQCYRENTHTLTK
CSALATQYMHCVNHAKQSMLEKGG

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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