

Recombinant human CMC1 protein

Catalog Number: ATGP2262

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-106aa

UniProt No.

Q7Z7K0

NCBI Accession No.

NP_872329

Alternative Names

COX assembly mitochondrial protein homolog, C3orf68

PRODUCT SPECIFICATION

Molecular Weight

14.9 kDa (129aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

CMC1 is required for mitochondrial cytochrome c oxidase (COX) assembly and respiration. It binds copper and may be involved in copper trafficking and distribution to COX and SOD1. Recombinant human CMC1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMLDPAD QHLRHVEKDV LIPKIMREKA KERCSEQVQD FTKCKNSGV
LMVVKCRKEN SALKECLTAY YNDPAFYEEC KMEYLKERE FRKTGIPTKK RLQKLPTSM

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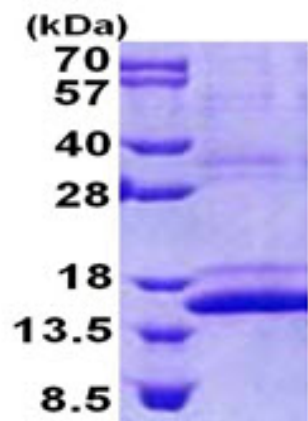
General References

Hendrickson, S.L., et al. (2010) PLoS ONE 5 (9), E12862

Horn, D., et al. (2008) Mol. Cell. Biol. 28 (13), 4354-4364

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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