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## Product Data Sheet

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Product Name: CMC1 Human  
 Cat. No.: GP23182  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C3orf68; Cmc1p; COX assembly mitochondrial protein homolog.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMALDPAD QHLRHVEKDV LIPKIMREKA KERCSEQVQD FTKCCKNSGV LMVVKCRKEN SALKECLTAY YNDPAFYEEC KMEYLKEREE FRKTGIPTKK RLQKLPTSM.		
Formulation	CMC1 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M UREA and 10% glycerol.		

### Introduction

COX Assembly Mitochondrial Protein 1(CMC1) is a member of the CMC family. CMC1 is required for mitochondrial cytochrome c oxidase (COX) assembly and respiration. CMC1 attaches copper and might be involved in copper trafficking and distribution to COX and SOD1.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

CMC1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 129 amino acids (1-106 a.a.) and having a molecular mass of 14.9kDa. CMC1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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