
Product Data Sheet

Product Name: CISD1 Human
Cat. No.: GP23163
Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CDGSH Iron Sulfur Domain 1; Chromosome 10 Open Reading Frame 70; CDGSH Iron Sulfur Domain-Containing Protein 1; Zinc Finger CDGSH-Type Domain 1; C10orf70; ZCD1; MitoNEET ; MDS029.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSKRFYVKD HRNKAMINLH IQKDNPKIVH AFDMEDLGDK AVYCRCWRSK KFPFCDGAHT KHNEETGDNV GPLIIKKKET		
Formulation	The CISD1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.		

Introduction

CISD1 protein holds a CDGSH iron-sulfur domain and is known to bind a redox-active [2Fe-2S] cluster. CISD1 is restricted to the outer membrane of mitochondria and takes part in oxidation regulation.

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

CISD1 Human Recombinant produced in E. coli is a single polypeptide chain containing 100 amino acids (32-108) and having a molecular mass of 11.4 kDa. CISD1 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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