

CISD1 Human

Description: 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.

Catalog #: PRPS-1228

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.

For research use only.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSKRFYVKD HRNKAMINLH
IQKDNPKIVH AFDMEDLGDK AVYCRWRSK KFPFCGHAHT KHNEETGDNV GPLIIKKKET

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The CISD1 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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