

Recombinant human CISD1 protein

Catalog Number: ATGP1721

PRODUCT INFORMATION

Expression system

E.coli

Domain

32-108aa

UniProt No.

Q9NZ45

NCBI Accession No.

NP_060934

Alternative Names

DGSH iron-sulfur domain-containing protein 1, Cysteine transaminase CISD1

PRODUCT SPECIFICATION

Molecular Weight

11.4 kDa (100aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

CISD1 is a protein with a CDGSH iron-sulfur domain and has been shown to bind a redox-active [2Fe-2S] cluster. The protein has been localized to the outer membrane of mitochondria and is thought to play a role in regulation of oxidation. Recombinant human CISD1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>KRFYVKD HRNKAMINLH IQKDNPKIVH AFDMEDLGDK AVYCRCWRSK

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KFPFCDGAHT KHNEETGDNV GPLIIKKKET

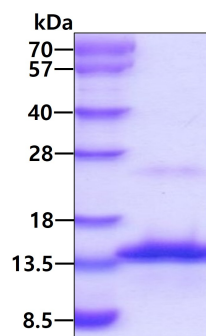
General References

Zuris JA., et al. (2011). Proc Natl Acad Sci U S A. 9 108(32):13047-52.

Conlan AR., et al. (2011). Acta Crystallogr D Biol Crystallogr. 67(Pt 6):516-23.

DATA

SDS-PAGE



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