

Recombinant human DNAJC19 protein

Catalog Number: ATGP0911

PRODUCT INFORMATION

Expression system

E.coli

Domain

19-116aa

UniProt No.

Q96DA6

NCBI Accession No.

NP_660304.1

Alternative Names

Mitochondrial import inner membrane translocase subunit TIM14, Pam18, TIM14, TIMM14

PRODUCT SPECIFICATION

Molecular Weight

15.1 kDa (135aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

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

DNAJC19 is a single-pass membrane protein that contains a J domain and is localized to the inner membrane of the mitochondrion. Expressed ubiquitously, DNAJC19 functions as a component of the mitochondrial DNAJC19 complex, which is responsible for the ATP-dependent translocation of select proteins from the inner mitochondrial membrane to the mitochondrial matrix. Defects in DNAJC19 are the cause of 3-methylglutaconic aciduria type 5 (MGA5), also known as dilated cardiomyopathy with ataxia (DCMA). Recombinant human DNAJC19 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSM>GRY VLQAMKHMEP QVKQVFQSLP KSAFSGGYR
GGFEPKMTKR EAALILGVSP TANKGKIRDA HRRIMLLNHP DKGGSPIYAA KINEAKDLLE GQAKK

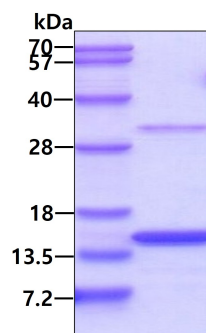
General References

Davey KM., et al. (2006) J Med Genet. 43(5):385-93.

Mokranjac D., et al. (2003) EMBO J. 22(19):4945-56.

DATA

SDS-PAGE



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