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# Recombinant human DNAJC19 protein

Catalog Number: ATGP0911

#### **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

19-116aa

#### UniProt No.

096DA6

#### **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**

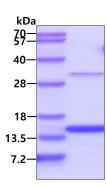
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSM>GRY VLQAMKHMEP QVKQVFQSLP KSAFSGGYYR GGFEPKMTKR EAALILGVSP TANKGKIRDA HRRIMLLNHP DKGGSPYIAA KINEAKDLLE GQAKK

#### **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.

