9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

# DNAJC19 Human

*DnaJ (Hsp40) Homolog, Subfamily C, Member 19 Human Recombinant*
*RCP0662*

## Product Overview

| | |
|---|---|
| Name | DNAJC19 Human |

**Description**

DnaJ (Hsp40) Homolog, Subfamily C, Member 19 Human Recombinant

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|---|---|
| Accession (Primary) | Q96DA6 |

**Synonyms**

Mitochondrial import inner membrane translocase subunit TIM14, DnaJ homolog subfamily C member 19, DNAJC19, TIM14, TIMM14, Pam18.

**Introduction**

DNAJC19 is part of a complex involved in the ATP-dependent transport of transit peptide-containing proteins from the inner cell membrane to the mitochondrial matrix. DNAJC19 is a single-pass membrane protein which contains a J domain and is localized to the inner membrane of the mitochondrion. Expressed ubiquitously, DNAJC19 acts as a component of the mitochondrial DNAJC19 complex that is responsible for the ATP-dependent translocation of select proteins from the inner mitochondrial membrane to the mitochondrial matrix. Defects in the DNAJC19 gene are the cause of 3-methylglutaconic aciduria type 5 (MGA5), otherwise known as dilated cardiomyopathy with ataxia (DCMA).

**Source**

Escherichia Coli.

**Physical Appearance**

Sterile Filtered colorless solution.

**Formulation**

The DNAJC19 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.

**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.

**Purity**

Greater than 90.0% as determined by SDS-PAGE.

**Amino acid sequence**

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

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**Precautions**

DNAJC19 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q96DA6 )