

# Recombinant human DNAJC24 protein

Catalog Number: ATGP2111

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-149aa

### UniProt No.

Q6P3W2

### NCBI Accession No.

NP\_859057

### Alternative Names

Dnaj homolog subfamily C member 24, DPH4, JJJ3, ZCSL3

## PRODUCT SPECIFICATION

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### Molecular Weight

19.5 kDa (172aa) confirmed by MALDI-TOF

### Concentration

1mg/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

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### Description

Dnaj homolog subfamily C member 24, also known as DNAJC24, is a member of the ZCSL family of proteins and each contain one DPH-type zinc finger. This enzyme is involved in the synthesis of diphthamide, a protein found on translation elongation factor EF-2 that is the target of bacterial ADP-ribosylating toxins. DNAJC24 stimulates the ATPase activity of several Hsp70-type chaperones. It is detected in heart, brain, spleen, lung, liver, kidney and testis. Recombinant human DNAJC24 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMMAVEQM PKKDWYSILG ADPSANISDL KQKYQKLILM YHPDKQSTDV  
PAGTVEECVQ KFIEIDQAWK ILGNEETKRE YDLQRCEDDL RNVGPVDAQV YLEEMSWNEG DHSFYLSRCR GGKYSVSKDE  
AEEVSLISCD TCSLIIELLH YN

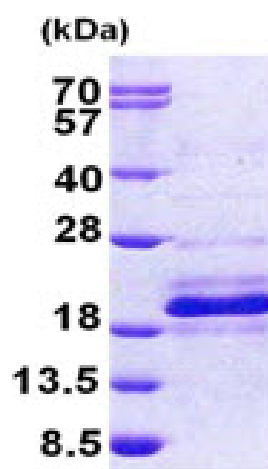
## General References

Liu S., et al. (2003) Mol Cell. 12:603-613  
Liu S., et al. (2004) Mol Cell Biol. 24:9487-9497.

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)