

## DNAJC24 cDNA

Catalog Number: ATGD0468

### PRODUCT INFORMATION

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**Catalog number**

ATGD0468

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_859057.4

**Alternative Names**

DPH4, JJJ3, ZCSL3

**mRNA Refseq**

NM\_181706.4

**OMIM**

611072

**Chromosome location**

11p13

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

450bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

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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.

## DATA

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### Sequence nucleotides

```
ATGATGGCGGTTGAGCAGATGCCAAAAAAGGATTGGTACAGCATCCTGGGAGCAGACCCATCTGCAAATATATCAGACCTA
AAACAAAAATATCAAAAACTCATATTAATGTATCATCCAGATAAACAAAGTACAGATGTACCAGCAGGAACAGTGGAGGAAT
GTGTACAGAAGTTCATCGAAATTGATCAAGCATGGAAAATTCTAGGAAATGAAGAGACAAAAAGAGAGTATGACCTGCAGC
GGTGTGAAGATGATCTAAGAAATGTAGGACCAGTAGATGCTCAAGTATATCTTGAAGAAATGTCTTGAATGAAGGTGATCA
CTCTTTTTATCTGAGTTGCAGATGTGGTGGAAAATACAGTGTTCCTCAAGGATGAAGCGGAAGAAGTTAGCCTGATTTCTTGT
GATACATGTTCACTAATTATAGAACTCCTTCATTATAACTAA
```

### Transaction Sequence

```
MMAVEQMPKK DWYSILGADP SANISDLKQK YQKLILMYHP DKQSTDVPAG TVEECVQKFIEIDQAWKILG NEETKREYDL
QRCEDDLNRV GPVDAQVYLE EMSWNEGDHS FYLSCRCGGKYSVSKDEAEE VSLISCDTCS LIPELLHYN
```