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## Product Data Sheet

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Product Name: DNAJC24 Human  
 Cat. No.: GP25071  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dnaj homolog subfamily C member 24; DNAJC24; DPH4; JJJ3; ZCSL3; CSL-type zinc finger-containing protein 3; Diphthamide biosynthesis protein 4.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMAVEQM PKKDWYSILG ADPSANISDL KQKYQKLILM YHPDKQSTDV PAGTVEECVQ KFIEIDQAWK ILGNEETKRE YDLQRCEDDL RNVGPVDAQV YLEEMSWNEG DHSFYLSRCR G GKYSVSKDE AEEVSLISCD TC SLIIELLH YN.		
Formulation	The DNAJC24 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

### Introduction

Dnaj homolog subfamily C member 24 (DNAJC24) belongs to the ZCSL family of proteins and each contain one DPH-type zinc finger. DNAJC24 is involved in the synthesis of diphthamide, a protein found on translation elongation factor EF-2 which is the target of bacterial ADP-ribosylating toxins. DNAJC24 stimulates the ATPase activity of few Hsp70-type chaperones. DNAJC24 detected in heart, brain, spleen, lung, liver, kidney and testis.

### 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.

### Background

DNAJC24 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 172 amino acids (1-149 a.a.) and having a molecular mass

**Caution: Product has not been fully validated for medical applications. For research use only.**

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of 19.5kDa. DNAJC24 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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