

Recombinant Human DNAJC24, GST-tagged

Cat. No. DNAJC24-12081H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNAJC24 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-149a.a.
Description	Diphthamide is a unique posttranslationally modified histidine found only in translation elongation factor-2 (EEF2; MIM 130610). This modification is conserved from archaeobacteria to humans and serves as the target for ADP-ribosylation and inactivation of EEF2 by diphtheria toxin (DT) and Pseudomonas exotoxin A. DPH4 is 1 of several enzymes involved in synthesis of diphthamide in EEF2 (Liu et al., 2004 [PubMed 15485916]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	DNAJC24 DnaJ (Hsp40) homolog, subfamily C, member 24 [Homo sapiens]
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Official Symbol	DNAJC24
Synonyms	DNAJC24; DnaJ (Hsp40) homolog, subfamily C, member 24; DPH4, DPH4 homolog (JJJ3, <i>S. cerevisiae</i>) , DPH4, JJJ3 homolog (<i>S. cerevisiae</i>) , ZCSL3, zinc finger, CSL type containing 3; dnaJ homolog subfamily C member 24; JJJ3; 1700030A21Rik; DPH4, JJJ3 homolog; DPH4 homolog (JJJ3, <i>S. cerevisiae</i>); zinc finger, CSL-type containing 3; zinc finger, CSL domain containing 3; CSL-type zinc finger-containing protein 3; DPH4; ZCSL3;
Gene ID	120526
mRNA Refseq	NM_181706
Protein Refseq	NP_859057
MIM	611072
UniProt ID	Q6P3W2
Chromosome Location	11p14.1
Function	heat shock protein binding; metal ion binding; unfolded protein binding;