

Recombinant Human DNAJC24, GST-tagged

DNAJC24-12081H Human
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.

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]).

Source E.coli

Species Human

Tag GST

Protein length 1-149a.a.

Storage The protein is stored in PBS buffer at -20. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 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 \[Homo sapiens \]](#)

Official Symbol DNAJC24

Synonyms DNAJC24; DnaJ (Hsp40) homolog, subfamily C, member 24; DPH4, DPH4 homolog (JJJ3, S. cerevisiae) , DPH4, JJJ3 homolog (S. cerevisiae) , ZCSL3, zinc finger, CSL type containing 3; dnaJ homolog subfamily C member 24; JJJ3; 1700030A21Rik; DPH4, JJJ3 homolog; DPH4 homolog (JJJ3, S. cerevisiae); 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 11p14.1

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Location

Function

heat shock protein binding; metal ion binding; unfolded protein binding;

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