

Recombinant Human DNAJA2, GST-tagged

Cat. No. DNAJA2-12055H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNAJA2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	N-term-214a.a.
Description	The protein encoded by this gene belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; a glycine/phenylalanine (G/F)-rich region; and a cysteine-rich domain containing 4 motifs resembling a zinc finger domain. The product of this gene works as a cochaperone of Hsp70s in protein folding and mitochondrial protein import in vitro.
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

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Gene Name	DNAJA2 DnaJ (Hsp40) homolog, subfamily A, member 2 [Homo sapiens]
Official Symbol	DNAJA2
Synonyms	DNAJA2; DnaJ (Hsp40) homolog, subfamily A, member 2; dnaJ homolog subfamily A member 2; CPR3; DNAJ; DNJ3; HIRIP4; HIRA interacting protein 4; HIRA-interacting protein 4; cell cycle progression 3 protein; renal carcinoma antigen NY-REN-14; cell cycle progression restoration gene 3 protein; DJ3; DJA2; RDJ2; PRO3015;
Gene ID	10294
mRNA Refseq	NM_005880
Protein Refseq	NP_005871
MIM	611322
UniProt ID	O60884
Chromosome Location	16q12.1
Pathway	Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;
Function	ATP binding; glycoprotein binding; heat shock protein binding; metal ion binding; unfolded protein binding;