

Recombinant Human DNAJB12, GST-tagged

Cat. No. DNAJB12-12060H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNAJB12 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-247a.a.
Description	DNAJB12 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 (Ohtsuka and Hata, 2000 [PubMed 11147971]).
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	DNAJB12 DnaJ (Hsp40) homolog, subfamily B, member 12 [Homo sapiens]
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Official Symbol	DNAJB12
Synonyms	DJ10; DJB12_HUMAN; DKFZp586B2023; DnaJ (Hsp40) homolog, subfamily B, member 12; DnaJ homolog subfamily B member 12; Dnajb12;
Gene ID	54788
mRNA Refseq	NM_001002762.2
Protein Refseq	NP_001002762.2
MIM	608376
UniProt ID	J3KPS0
Chromosome Location	10q22.1
Pathway	Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;
Function	heat shock protein binding; unfolded protein binding;

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