

Recombinant Human DNAJA2, His-tagged

Cat. No. DNAJA2-28365TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 49-412 of Human DNAJA2 with an N terminal His tag. Predicted mwt: 41 kDa;
Species	Human
Source	E.coli
ProteinLength	49-412 a.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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 89 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

EISFAYEVLSNPEKRELYDRYGEQGLREGSGGGGGMDDIF SHIFGGGLFGFMGNQ
 SRSRNGRRRGEDMMHPLKVSLED LYNKTTKLQLSKNVLCACSGQGGKSGAVQ
 KCSACRGRGVRIMIRQLAPGMVQQMQSVCSDCNGEGEVINEKDRCKK CEGKKVIK
 EVKILEVHVDKGMKHGQRITFTGEADQAPG VEPGDIVLLLQEKEHEVFQRDGNLH
 MTYKIGLVEALCGFQFTFKHLDGRQIVVKYPPGKVIIEPGCVRVVRGEGMPQY RNPF
 EKGDLYIKFDVQFPENNWINPDKLSELEDLLPSR PEVPNIIGETEEVELQEFDSTRGS
 GGGQRREAYNDSSDEESSHHGPGVQCAHQ

Sequence Similarities

Contains 1 CR-type zinc finger.Contains 1 J domain.

GENE INFORMATION

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;
Gene ID	10294
mRNA Refseq	NM_005880
Protein Refseq	NP_005871
MIM	611322
Uniprot ID	O60884
Chromosome Location	16q12.1

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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;

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