

Recombinant Human DNAJB11, His-tagged

Cat. No. DNAJB11-3490H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DNAJB11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	DNAJB11 belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. It serves as a co-chaperone for HSPA5 and binds directly to both unfolded proteins that are substrates for ERAD and nascent unfolded peptide chains, but dissociates from the HSPA5-unfolded protein complex before folding is completed.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.
Molecular Weight	40.5 kDa (357aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGRDFYKILG VPRSASIKDI KKAYRKLALQ LHPDRNPDDP QAQEFQDLG AAYEVLSDSE KRKQYDTYGE EGLKDGHQSS HGDIFSHFFG DFGFMFGGTP RQQDRNIPRG SDIIVDLEVT LEEVYAGNFV

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EVVRNKPVAR QAPGKRKCNC RQEMRTTQLG PGRFQMTQEV VCDECPNVKL
VNEERTLEVE IEPGVRDGME YPFIGEGEPH VDGEPLDLRF RIKVVKHPIF
ERRGDDLYTN VTISLVESLV GFEMDITHLD GHKVVHISRDK ITRPGAKLWK
KGEGLPNFDN NNIKGSLIIT FDVDFPKEQL TEEAREGIKQ LLKQGSVQKV
YNGLQGY

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

DNAJB11 DnaJ (Hsp40) homolog, subfamily B, member 11 [Homo sapiens]

Synonyms

DNAJB11; DJ9; EDJ; ERj3; HEDJ; hDj9; ABBP2; ERdj3; ABBP-2; UNQ537;
PRO1080; dnaJ homolog subfamily B member 11; ERj3p; hDj-9;
OTTHUMP00000210171; human DnaJ protein 9; dnaJ protein homolog 9;
APOBEC1-binding protein 2; PWP1-interacting protein 4; ER-associated DNAJ
protein 3; ER-associated Hsp40 co-chaperone

Gene ID

51726

mRNA Refseq

NM_016306

Protein Refseq

NP_057390

MIM

611341

UniProt ID

Q9UBS4

**Chromosome
Location**

3q27.3

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Function

heat shock protein binding; protein binding; unfolded protein binding

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