

# Recombinant Human DNAJB11, His-tagged

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

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human DNAJB11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                             |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>              | 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. |
| <b>Form</b>                     | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Weight</b>         | 40.5 kDa (357aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>                   | > 90% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>            | 0.5 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                                             |
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MGRDFYKILG VPRSASIKDI KKAYRKLALQ<br>LHPDRNPDDP QAQEFQDLG AAYEVLSDSE KRKQYDTYGE EGLKDGHQSS<br>HGDIFSHFFG DFGFMFGGTP RQQDRNIPRG SDIIVDLEVT LEEVYAGNFV                                                                                                                                                                                                                            |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

EVVRNKPVAR QAPGKRKCNC RQEMRTTQLG PGRFQMTQEV VCDECPNVKL  
VNEERTLEVE IEPGVRDGME YPFIGEGEPH VDGE PGDLRF 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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