

AR09925PU-S**Human DNAJB11 (23-358, His-tag) - Purified****Alternate names:**

APOBEC1-binding protein 2, DnaJ homolog subfamily B member 11, EDJ, ER-associated DNAJ, ER-associated Hsp40 co-chaperone, ER-associated dnaJ protein 3, ERJ3, ERdj3, ERj3p, HEDJ, PSEC0121, PWP1-interacting protein 4, hDj9

Quantity:

10 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[Q9UBS4](#)**NCBI:**[NP_057390](#)**GeneID:**[51726](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90%**Buffer System:** 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl**Description:**

Recombinant human DNAJB11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGRDFYKILG VPRSASIKDI KKAYRKLALQ LHPDRNPDDP
QAQEKFDLQ AAYEVLSDSE KRKQYDITYGE EGLKDGHQSS HGDIFSHFFG DFGFMFGGTP
RQQDRNIPRG SDIIVDLEVT LEEVYAGNFV EVVRNKPVAR QAPGKRKCNC RQEMRTTQLG
PGRFQMTQEV VCDECPNVKL VNEERTLEVE IEPGVRDGME YPFIGEGEPH VDGEFGDLRF
RIKVVKHPIF ERRGDDLYTN VTISLVESLV GFEMDITHLD GHKVVHISRDK ITRPGAKLWK
KGEGLPNFDN NNIKGSIIIT FDVDFPKEQL TEEAREGIKQ LLKQGSVQKV YNGLQGY

Molecular weight: 40.5 kDa (357aa), confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

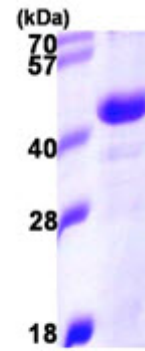
Shelf life: one year from despatch.

General Readings:

Nakanishi K., et al. (2004) Cell Stress Chaperones. 9(3):253-64.

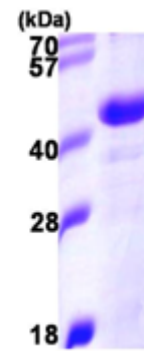
Yu M., et al. (2000) J Biol Chem. 275(32):24984-92.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human DNAJB11, 23-358 aa,
His-tagged



15% SDS-PAGE (3ug)