

# Recombinant human DNAJB11 protein

Catalog Number: ATGP0985

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

23-358aa

### UniProt No.

Q9UBS4

### NCBI Accession No.

NP\_057390

### Alternative Names

Dnaj homolog subfamily B member 11, ABBP-2, ABBP2, DJ9, EDJ, ERdj3, ERj3, hDj9, HEDJ, PRO1080, uNQ537

## PRODUCT SPECIFICATION

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### Molecular Weight

40.5 kDa (357aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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

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## Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGRDFYKILG VPRSASIKDI KKAYRKLALQ LHPDRNPDDP QAQEKFDLQ AAYEVLSDSE  
KRKQYDTYGE EGLKDGHQSS HGDIFSHFFG DFGFMFGGTP RQQRNIPRG SDIIVDLEVT LEEVYAGNFV EVVRNKPVAR  
QAPGKRKCNC RQEMRTTQLG PGRFQMTQEV VCDECPNVKL VNEERTLEVE IEPGVRDGME YPFIGEGERPH VDGEPGDLRF  
RIKVVKHPIF ERRGDDLYTN VTISLVESLV GFEMDITHLD GHKVVHISRDK ITRPGAKLWK KGEGLPNFDN NNIKGLIIT  
FDVDFPKEQL TEEAREGIKQ LLKQGSVQKV YNGLQGY

## General References

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

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

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)