## PRODUCT INFORMATION

## 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

## Molecular Weight

40.5 kDa (357aa) confirmed by MALDI-TOF

## Concentration

$0.5 \mathrm{mg} / \mathrm{ml}$ (determined by Bradford assay)

## Formulation

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

## Purity

> 90\% by SDS-PAGE

## Tag

His-Tag

## Application

SDS-PAGE

## Storage Condition

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

## BACKGROUND

## 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.

## $13, ~ i, B i O$ we support you, we believe in your research

Recombinant human DNAJB11 protein
Catalog Number: ATGP0985

## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGRDFYKILG VPRSASIKDI KKAYRKLALQ LHPDRNPDDP QAQEKFQDLG AAYEVLSDSE KRKQYDTYGE EGLKDGHQSS HGDIFSHFFG DFGFMFGGTP RQQDRNIPRG SDIIVDLEVT LEEVYAGNFV EVVRNKPVAR QAPGKRKCNC RQEMRTTQLG PGRFQMTQEV VCDECPNVKL VNEERTLEVE IEPGVRDGME YPFIGEGEPH VDGEPGDLRF RIKVVKHPIF ERRGDDLYTN VTISLVESLV GFEMDITHLD GHKVHISRDK ITRPGAKLWK KGEGLPNFDN NNIKGSLIIT 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)

