

Recombinant human DNAJB11 protein

Catalog Number: ATGP0985

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

0.5mg/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

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
KRRQYDITYE EGLKDGHQSS HGDIFSHFFG DFGFMFGGTP RQQRNIPRG SDIIVDLEVT LEEVYAGNFV EVVRNKPVAR
QAPGKRKCNQ RQEMRTTQLG PGRFQMTQEV VCDECPNVKL VNEERTLEVE IEPGVRDGME YPFIGEGEPH VDGEPGDLRF
RIKVVKHPIF ERRGDDLYTN VTISLVESLV GFEMDITHLD GHKVVHISRDK ITRPGAKLWK KGEGLPNFDN NNIKGSIIIT
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)