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.

Recombinant human DNAJB11 protein

Catalog Number: ATGP0985

Amino acid Sequence

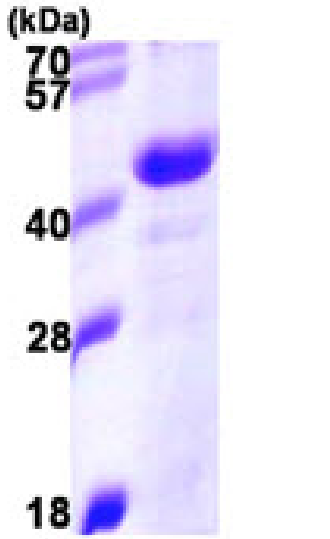
MGSSHHHHHH SSGLVPRGSH MGRDFYKILG VPRSASIKDI KKAYRKLALQ LHPDRNPDDP QAQEKFQDLG AAYEVLSDSE KRKQYDTYGE EGLKDGHQSS HGDIFSHFFG DFGFMFGGTP RQQDRNIPRG SDIIVDLEVT LEEVYAGNFV EVVRNKPVAR QAPGKRKCNC RQEMRTTQLG PGRFQMTQEV VCDECPNVKL VNEERTLEVE IEPGVRDGME YPFIGEGEPH VDGEPGDLRF RIKVVKHPIF ERRGDDLYTN VTISLVESLV GFEMDITHLD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



15% SDS-PAGE (3ug)

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