

Recombinant human DNAJB2 protein

Catalog Number: ATGP0788

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-277aa

UniProt No.

P25686

NCBI Accession No.

NP_001034639

Alternative Names

Dnaj homolog subfamily B member 2, HSJ1, HSPF3

PRODUCT SPECIFICATION

Molecular Weight

33 kDa (300aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/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

DnajB2, also known as HSJ1 or HSPF3, is belongs to the Dnaj family. It is expressed almost exclusively in the brain, with the highest levels in the frontal cortex and hippocampus. The Dnaj family is one of the largest of all the chaperone families and has evolved with diverse cellular localization and functions. The Dnaj proteins play a critical role in the HSP70 chaperone machine by interacting with HSP70 to stimulate ATP hydrolysis. DnajB2 is important mediators of proteolysis and are involved in the regulation of protein degradation, exocytosis and endocytosis. Recombinant human DNAJB2 protein, fused to His-tag at N-terminus, was expressed in E. coli and

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purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MGSMASYEIE LDVPRSASAD DIKAYRRKA LQWHPDKNPD NKEFAEKKFK EVAEAYEVLS
DKHKREIYDR YGREGLTGTG TGPSRAEAGS GGPGFTTFR SPEEVFREFF GSGDPFAELF DDLGPFSELQ NRGSRHSGPF
FTFSSSFP GH SDFSSSSFSF SPGAGAFRSV STSTTFVQGR RITTRRIMEN GQERVEVEED GQLKSVTING VPDDLALGLE
LSRREQQPSV TSRSGGTQVQ QTPASCPLDS DLSEDEDLQL AMAYSLSEME AAGKKPADVF

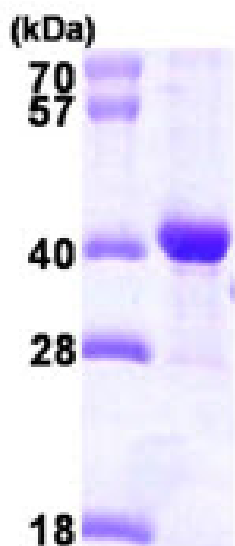
General References

Stewart GR., et al. (2004) Tuberculosis. 84(3-4):180-7.

Tomoyasu T., et al. (1998) Mol Microbiol. 30(3):567-81.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)