Recombinant human DNAJB4 protein

Catalog Number: ATGP1912

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-337aa

UniProt No.
Q9UDY4

NCBI Accession No.
NP_008965

Alternative Names
DnaJ homolog subfamily B member 4, DjB4, DNAJW, HLJ1

PRODUCT SPECIFICATION

Molecular Weight
40 kDa (360aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.2M NaCl, 30% glycerol, 1mM DTT

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
DNAJB4 belongs to the evolutionarily conserved DNAJ/HSP40 protein family. Subunit structure of this protein is homodimer. The C-terminal section interacts with the C-terminal tail of OPRM1. DNAJB4 interacts also with SDIM1. Recombinant human DNAJB4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence
<MGSSHHHHHH SSGLVPRGSH MGS>MGKDYYC ILGIEKGASD EDIKKAYRKQ ALKFHPDKNK SPQAEEKFKE

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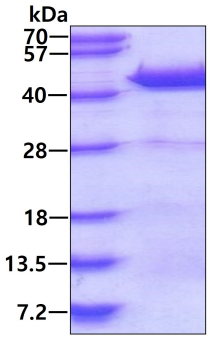
VAEAYEVLSD PKKREIYDQF GEEGLKGGAG GTDGQGGTFR YTFHGDPHAT FAAFFGGSNP FEIFFGRRMG GGRDSEEMEI DGDPFSAFGF SMNGYPRDRN SVGPSRLKQD PPVIHELRVS LEEIYSGCTK RMKISRKRLN ADGRSYRSED KILTIEIKKG WKEGTKITFP REGDETPNSI PADIVFIIKD KDHPKFKRDG SNIIYTAKIS LREALCGCSI NVPTLDGRNI PMSVNDIVKP GMRRRIIGYG LPFPKNPDQR GDLLIEFEVS FPDTISSSSK EVLRKHLPAS

General References

Ohtsuka K, et al. (2000). Cell Stress Chaperones. 5(2):98-112.

DATA

SDS-PAGE



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