Recombinant human HSCB protein

Catalog Number: ATGP1604

PRODUCT INFORMATION

Expression system
E.coli

Domain
30-235aa

UniProt No.
Q8IWL3

NCBI Accession No.
NP_741999

Alternative Names
HscB iron-sulfur cluster co-chaperone homolog (E.coli), dJ366L4.2, DNAJC20, HSC20, JAC1

PRODUCT SPECIFICATION

Molecular Weight
26.7 kDa (231aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M 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
HSCB belongs to the hscB family and contains 1 J domain. This protein is expressed in lung, brain, stomach, spleen, ovary, testis, liver, muscle and heart and localized to mitochondria and cytoplasm. It may act as a co-chaperone in iron-sulfur cluster assembly in mitochondria, Interacts with ISCu and HSPA9. Recombinant human HSCB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Recombinant human HSCB protein

Catalog Number: ATGP1604

Amino acid Sequence

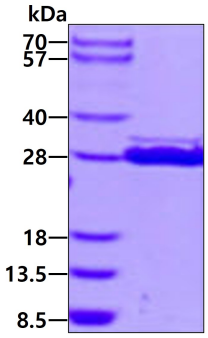
<MGSSHHHHHH SSGLVPRGSH MGSHM>AASQA GSNYPRCWNC GGPWGPGRED RFFCPQCRAL QAPDPTRDYF SLMDCNRSFR VDTAKLQHRY QQLQRLVHPD FFSQRSQTEK DFSEKHSTLV NDAYKTLLAP LSRGLYLLKL HGIEIPERTD YEMDRQFLIE IMEINEKLAE AESEAAMKEI ESIVKAKQKE FTDNVSSAFE QDDFEEAKEI LTKMRYFSNI EEKIKLKKIP L

General References

Sun G., et al. (2003) J. Hum. Genet. 48, 415-419
Bitto E., et al. (2008) J. Biol. Chem. 283, 30184-30192

DATA

SDS-PAGE



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