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# Recombinant human HSCB protein

Catalog Number: ATGP1604

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

30-235aa

#### UniProt No.

**08IWL3** 

#### **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.



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# **Amino acid Sequence**

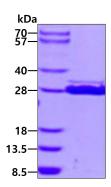
<MGSSHHHHHH SSGLVPRGSH MGSHM>AASQA GSNYPRCWNC GGPWGPGRED RFFCPQCRAL QAPDPTRDYF SLMDCNRSFR VDTAKLQHRY QQLQRLVHPD FFSQRSQTEK DFSEKHSTLV NDAYKTLLAP LSRGLYLLKL HGIEIPERTD YEMDRQFLIE IMEINEKLAE AESEAAMKEI ESIVKAKQKE FTDNVSSAFE QDDFEEAKEI LTKMRYFSNI EEKIKLKKIP L

#### **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.

