

HSCB, 30-235aa, Human, His tag, E.coli

Cat.NO.: TP02508

3th Edition

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

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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.15M NaCl

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMAASQAGSNYPWCWNCGGPWGPGREDRFFCPQCRALQAPDPTRDYFS
LMDCNRSFRVDTAKLQHRYQQQLQRLVHPDFFSQRSQTEKDFSEKHSTLVNDAYKTLPLSRGLYLLKLHGIEIPER
TDYEMDRQFLIEIMEINEKLAEEAEEAAMKEIESIVKAKQKEFTDNVSSAFEQDDFEEAKEILTKMRYFSNIEEKIKLKK
IPL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.