Recombinant Human HscB Iron-Sulfur Cluster Co-Chaperone Homolog (E. coli), His-tagged

Cat. No. HSCB-6850H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSCB protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	30-235aa
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.15M NaCl.
Molecular Mass	26.7kDa(231aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMAASQA GSNYPRCWNC GGPWGPGRED RFFCPQCRAL QAPDPTRDYF SLMDCNRSFR VDTAKLQHRY QQLQRLVHPD FFSQRSQTEK DFSEKHSTLV NDAYKTLLAP LSRGLYLLKL HGIEIPERTD YEMDRQFLIE IMEINEKLAE AESEAAMKEI ESIVKAKQKE FTDNVSSAFE QDDFEEAKEI LTKMRYFSNI EEKIKLKKIP L

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	HSCB HscB iron-sulfur cluster co-chaperone homolog (E. coli) [Homo sapiens]
Official Symbol	HSCB
Synonyms	HSCB; HscB iron-sulfur cluster co-chaperone homolog (E. coli); JAC1; HSC20; DNAJC20; dJ366L4.2; iron-sulfur cluster co-chaperone protein HscB, mitochondrial; J-type co-chaperone HSC20; dnaJ homolog subfamily C member 20; DnaJ (Hsp40) homolog, subfamily C, member 20; Jac1
Gene ID	150274
mRNA Refseq	NM_172002
Protein Refseq	NP_741999
MIM	608142
UniProt ID	Q8IWL3
Chromosome Location	22q12.1

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Pathway	Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, organism-specific biosystem
Function	chaperone binding; heat shock protein binding; metal ion binding; molecular_function; protein binding

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