
Product Data Sheet

Product Name: HSCB Human
 Cat. No.: GP23679
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HscB iron-sulfur cluster co-chaperone homolog (E. coli); Dnaj homolog (Hsp40) subfamily C member 20; iron-sulfur cluster co-chaperone protein HscB mitochondrial; J-type co-chaperone HSC20; DNAJC20; HSC20; dj366L4.2; JAC1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHEMAASQA GSNYPRCWNC GGPWGPGRED RFFCPQCRAL QAPDPTRDYF SLMDCNRSFR VDTAKLQHRY QQLQRLVHPD FFSQRSQTEK DFSEKHSTLV NDAYKTLAP LSRGLYLLKL HGIEIPERTD YEMDRQFLIE IMEINEKLAE AESEAAMKEI ESIVKAKQKE FTDNVSSAFE QDDFEEAKEI LTKMRYFSNI EEKIKLKKIP L		
Formulation	The HSCB solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 150mM NaCl, and 10% glycerol.		

Introduction

HscB Iron-Sulfur Cluster Co-Chaperone (HSCB) is a member of the hscB family and contains 1 J domain. HSCB is expressed in the lung, brain, stomach, spleen, ovary, testis, liver, muscle and heart and localized to mitochondria and cytoplasm. HSCB may function as a co-chaperone in iron-sulfur cluster assembly in mitochondria, it also interacts with ISCU and HSPA9.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

HSCB Human Recombinant produced in E. coli is a single polypeptide chain containing

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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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231 amino acids (30-235) and having a molecular mass of 26.7 kDa. HSCB is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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