

HSCB Human

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

Catalog #: PRPS-1149

For research use only.

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.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid 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

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The HSCB solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 150mM NaCl, and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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