Recombinant Human HSCB Protein, GST-tagged

Cat. No. HSCB-5059H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HSCB full-length ORF (NP_741999.3, 1 a.a. - 235 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a DnaJ-type co-chaperone and member of the heat shock cognate B (HscB) family of proteins. The encoded protein plays a role in the synthesis of iron-sulfur clusters, protein cofactors that are involved in the redox reactions of mitochondrial electron transport and other processes. Cells in which this gene is knocked down exhibit reduced activity of iron-sulfur cluster-dependent enzymes including succinate dehydrogenase and aconitase. The encoded protein may stimulate the ATPase activity of the mitochondrial stress-70 protein. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]
Molecular Mass	53.8 kDa
AA Sequence	MWRGRAGALLRVWGFWPTGVPRRRPLSCDAASQAGSNYPRCWNCGGPWGPGR EDRFFCPQCRALQAPDPTRDYFSLMDCNRSFRVDTAKLQHRYQQLQRLVHPDFFS QRSQTEKDFSEKHSTLVNDAYKTLLAPLSRGLYLLKLHGIEIPERTDYEMDRQFLIEIM EINEKLAEAESEAAMKEIESIVKAKQKEFTDNVSSAFEQDDFEEAKEILTKMRYFSNIE EKIKLKKIPL
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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