

## Product datasheet for **TP300843**

### HSCB (NM\_172002) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human HscB iron-sulfur cluster co-chaperone homolog (E. coli) (HSCB), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200843 representing NM_172002 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MWRGRAGALLRVWGFWPTGVPRRRPLSCDAASQAGSNYPWCWCGGPWGPREDRFFCPQCRAQAPDPT RDYFSLMDCNRSFRVDTAKLQHRYQQLQRLVHPDFFSQRSQTEKDFSEKHSTLVNDAYKTLAPLSRGLY LLKLHGIEIPERTDYEMDRQFLIEIMEINEKLAEAESEAMKEIESIVKAKQKEFTDNVSSAFEQDDFEE AKEILTKMRYFSNIEEKIKLKKIPL  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	27.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_741999</a>
Locus ID:	150274



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UniProt ID: [Q8IWL3](#), [A0A384NYJ4](#)

RefSeq Size: 1106

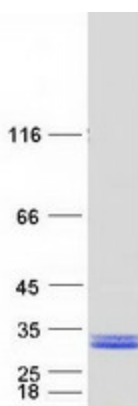
Cytogenetics: 22q12.1

RefSeq ORF: 705

Synonyms: DNAJC20; HSC20; JAC1

**Summary:** 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]

### Product images:



Coomassie blue staining of purified HSCB protein (Cat# TP300843). The protein was produced from HEK293T cells transfected with HSCB cDNA clone (Cat# [RC200843]) using MegaTran 2.0 (Cat# [TT210002]).