

Product datasheet for PH300843

HSCB (NM_172002) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSCB MS Standard C13 and N15-labeled recombinant protein (NP_741999)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200843
Predicted MW:	27.2 kDa
Protein Sequence:	>RC200843 representing NM_172002 Red=Cloning site Green=Tags(s) MWRGRAGALLRVWGFWPTGVPRRRPLSCDAASQAGSNYPWCWCGPWPGRDRFFCPQCRALQAPDPT RDYFSLMDCNRSFRVDTAKLQHRYQLQRLVHPDFFSQRSQTEKDFSEKHSTLVNDAYKTL LAPLSRGLY LLKLHGIEIPERTDYEMDRQFLIEIMEINEKLAEAESEAMKEIESIVKAKQKEFTDNVSSAFEQDDFEE AKEILTKMRYFSNIEEKIKLKKIPL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_741999
RefSeq Size:	1106
RefSeq ORF:	705
Synonyms:	DNAJC20; HSC20; JAC1
Locus ID:	150274
UniProt ID:	Q8IWL3 , A0A384NYJ4

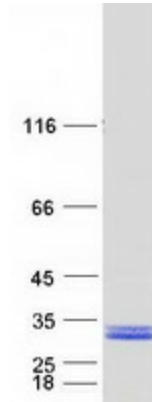


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Cytogenetics: 22q12.1

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]).