

## Product datasheet for **AR50428PU-S**

### HSCB / DNAJC20 / HSC20 (30-235, His-tag) Human Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | HSCB / DNAJC20 / HSC20 (30-235, His-tag) human recombinant protein, 0.1 mg  |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSHEMAASQA GSNYPRCWNC GGPWGPARED RFFCPQCRAL QAPDPTRDYF SLMDCNRSFR VDTAKLQHRY QQLQRLVHPD FFSQRSQTEK DFSEKHSTLV NDAYKTLLAP LSRGLYLLKL HGIEIPERTD YEMDRQFLIE IMEINEKLAE AESEAAMKEI ESIVKAKQKE FTDNVSSAFE QDDFEEAKEI LTKMRYFSNI EEKIKLKKIP L |
| Tag:                                  | His-tag   |
| Predicted MW:                         | 26.7 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >90% by SDS - PAGE  |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M NaCl   |
| Preparation:                          | Liquid purified protein   |
| Protein Description:                  | Recombinant human HSCB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.   |
| Storage:                              | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.   |
| Stability:                            | Shelf life: one year from despatch.   |
| RefSeq:                               | <a href="#">NP_001305243</a>  |
| Locus ID:                             | 150274  |
| Cytogenetics:                         | 22q12.1   |
| Synonyms:                             | DNAJC20; HSC20; JAC1  |



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**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:**