

# Product datasheet for AR09392PU-L

## HSPB8 / HSP22 (1-196, His-tag) Human Protein

### **Product data:**

#### **Product Type: Recombinant Proteins Description:** HSPB8 / HSP22 (1-196, His-tag) human recombinant protein, 0.25 mg Species: Human E. coli **Expression Host:** Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MADGQMPFSC HYPSRLRRDP FRDSPLSSRL LDDGFGMDPF or AA Sequence: PDDLTASWPD WALPRLSSAW PGTLRSGMVP RGPTATARFG VPAEGRTPPP FPGEPWKVCV NVHSFKPEEL MVKTKDGYVE VSGKHEEKQQ EGGIVSKNFT KKIQLPAEVD PVTVFASLSP EGLLIIEAPQ VPPYSTFGES SFNNELPQDS QEVTCT Tag: His-tag Predicted MW: 23.7 kDa **Concentration:** lot specific >95% by SDS - PAGE **Purity: Buffer:** Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 100 mM NaCl, 10% glycerol **Preparation:** Liquid purified protein **Protein Description:** Recombinant human HSPB8, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Storage: Avoid repeated freezing and thawing. Shelf life: one year from despatch. Stability: **RefSeq:** NP 055180 Locus ID: 26353 **UniProt ID:** Q9UJY1 Cytogenetics: 12q24.23 Synonyms: CMT2L; DHMN2; E2IG1; H11; HMN2; HMN2A; HSP22



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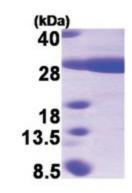
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### Service MSPB8 / HSP22 (1-196, His-tag) Human Protein – AR09392PU-L

Summary: The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression of this gene in induced by estrogen in estrogen receptor-positive breast cancer cells, and this protein also functions as a chaperone in association with Bag3, a stimulator of macroautophagy. Thus, this gene appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease. [provided by RefSeq, Jul 2008]

#### Protein Families: Druggable Genome, Protein Kinase

### **Product images:**



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