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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
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MADGQMPFSC HYPSRLRRDP FRDSPLSSRL LDDGFGMDPF 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
Purity:	>95% by SDS - PAGE
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.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_055180
Locus ID:	26353
UniProt ID:	Q9UJY1
Cytogenetics:	12q24.23
Synonyms:	CMT2L; DHMN2; E2IG1; H11; HMN2; HMN2A; HSP22

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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: