

## Product datasheet for **AR50014PU-S**

### HSP10 (1-102) (recombinant) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	HSP10 (1-102) (recombinant) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAGQAFRKFL PLFDRVLVER SAAETVTKGG IMLPEKSQ GK VLQATWAVG SGSKGKGG EI QPVSVKVGD K VLLPEYGGTK VLLDDKDYFL FRDGDILGKY VD
Predicted MW:	10,9 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 8.0, 50 mM NaCl
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HSP10 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_002148</a>
Locus ID:	3336
UniProt ID:	<a href="#">P61604</a> , <a href="#">A0A384N6A4</a>
Cytogenetics:	2q33.1
Synonyms:	CPN10; EPF; GROES; HSP10



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**Summary:**

This gene encodes a major heat shock protein which functions as a chaperonin. Its structure consists of a heptameric ring which binds to another heat shock protein in order to form a symmetric, functional heterodimer which enhances protein folding in an ATP-dependent manner. This gene and its co-chaperonin, HSPD1, are arranged in a head-to-head orientation on chromosome 2. Naturally occurring read-through transcription occurs between this locus and the neighboring locus MOBKL3.[provided by RefSeq, Feb 2011]

**Protein Families:**

Druggable Genome, Stem cell - Pluripotency

**Product images:**