

Datasheet for ABIN934958  
**HSPE1 Protein (AA 1-102)**



[Go to Product page](#)

1 Image

## Overview

Quantity:	100 µg
Target:	HSPE1
Protein Characteristics:	AA 1-102
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MAGQAFRKFL PLFDRVLVER SAAETVTKGG IMLPEKSQ GK VLQATVVAVG SGSKGKGG EI QPVSVKVGD K VLLPEYGGTK VVLD DKDYFL FRDGDILGKY VD
Characteristics:	Purified recombinant Human HSP10 protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure

## Target Details

Target:	HSPE1
Alternative Name:	HSP10 ( <a href="#">HSPE1 Products</a> )
Background:	Heat shock protein (HSP) 10 is a member of the highly conserved group of molecular chaperons, which are necessary for efficient folding of many proteins in normal and stress

## Target Details

---

conditions and have been implicated in several human diseases. HSP10 is the ~10kD mammalian equivalent to GroES of E. coli. The function of Hsp10 is to bind Hsp60 (also known as chaperonin-60), in the presence of ATP, thereby promoting a conformational change in Hsp60 and enclosing the protein substrate within the complex. ATP hydrolysis by Hsp60 destabilizes the Hsp60/ Hsp10 complex, allowing it to dissociate and release the substrate protein. Recombinant human HSP10 was expressed in E. coli and purified by using conventional chromatography techniques.

Alternative Names: HSP-10, HSP10 protein, Cpn 10 protein, HSPE1 protein, 10 kDa heat shock protein mitochondrial protein, Heat shock 10kD protein 1 protein, CPN10 protein, Heat shock 10kDa protein 1 chaperonin 10 protein, HSP 10 protein, HSP-10 protein, Heat shock 10kDa protein 1 protein, HSP 10 protein, HSP10 protein, , HSP10, Heat shock 10kD protein 1 chaperonin 10 protein, HSP 10, Early pregnancy factor protein, Heat shock protein 10 10 kDa chaperonin protein, Chaperonin 10 protein, Heat shock protein 10 protein, HSPE 1 protein, GroES protein, EPF protein

---

Molecular Weight: 10 kDa (102 AA)

---

Pathways: [Positive Regulation of Endopeptidase Activity](#)

## Application Details

---

Application Notes: HSP10 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

---

Concentration: 1 mg/mL

---

Buffer: Supplied as a liquid in 20 mM Tris, pH 8.0, containing 50 mM NaCl.

---

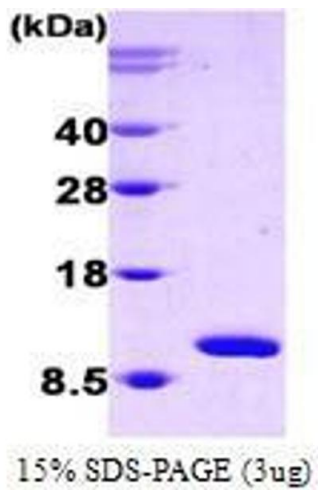
Handling Advice: Avoid repeated freeze/thaw cycles.

---

Storage: RT/-20 °C

---

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



#### SDS-PAGE

**Image 1.** Figure annotation denotes ug of protein loaded and % gel used.