

Recombinant Human HSPE1, His-tagged

Cat. No. HSPE1-150H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSPE1 was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Appearance	Liquid, clear solution
Form	Supplied as a 0.2 µ filtered solution in PBS (pH 7.4).
Endotoxin	None
Purity	>95%
Applications	ELISA, Western blotting, Dot Blotting, Immunogen, Protein Array, Function Assay, etc.
Usage	This product is furnished for LABORATORY RESEARCH USE ONLY. Not for

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

diagnostic or therapeutic use.

Storage

Upon arrival, the protein may be stored for two weeks at 2 to 8 °C. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA) and store at -20 °C or -80 °C in appropriate aliquots. Avoid repeated freeze-thaw cycles.

Concentration

Lot specific (see the label on the vial).

GENE INFORMATION

Gene Name

HSPE1 heat shock 10kDa protein 1 (chaperonin 10) [Homo sapiens(human)]

Official Symbol

HSPE1

Synonyms

HSPE1; EPF; CPN10; GROES; HSP10; heat shock 10kDa protein 1 (chaperonin 10); 10 kDa heat shock protein, mitochondrial; chaperonin 10; 10 kDa chaperonin; early-pregnancy factor; heat shock 10kD protein 1 (chaperonin 10)

Gene ID

3336

mRNA Refseq

NM_002157

Protein Refseq

NP_002148

MIM

600141

UniProt ID

P61604

Chromosome Location

2q33.1

Function

ATP binding; chaperone binding; protein binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA