

## Recombinant Human HSPE1 protein, His-tagged

**Cat. No.** HSPE1-510H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HSPE1 protein(NP_002148.1)(Met1-Asp102), fused with His tag, was expressed in E. coli.                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Met1-Asp102                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                        |
| <b>Molecular Mass</b>   | The recombinant human HSPE1 consists of 120 amino acids and predicts a molecular mass of 13.2 kDa.                                                                                                                                                |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                                                 |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                     |

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## GENE INFORMATION

|                 |                                                                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | HSPE1 heat shock 10kDa protein 1 (chaperonin 10) [ Homo sapiens ]                                                                                                                                                           |
| Official Symbol | HSPE1                                                                                                                                                                                                                       |
| Synonyms        | HSPE1; heat shock 10kDa protein 1 (chaperonin 10); heat shock 10kD protein 1 (chaperonin 10); 10 kDa heat shock protein, mitochondrial; CPN10; GROES; chaperonin 10; 10 kDa chaperonin; early-pregnancy factor; EPF; HSP10; |
| Gene ID         | 3336                                                                                                                                                                                                                        |
| mRNA Refseq     | NM_002157                                                                                                                                                                                                                   |
| Protein Refseq  | NP_002148                                                                                                                                                                                                                   |
| MIM             | 600141                                                                                                                                                                                                                      |
| UniProt ID      | P61604                                                                                                                                                                                                                      |

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