

Recombinant Human HSPE1 Protein

Cat. No. HSPE1-042H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSPE1 protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	102
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.
Form	Solution
Molecular Mass	10 kDa
AA Sequence	MAGQAFRKFLPLFDRVLVERSAAETVTKGGIMLPEKSQGKVLQATVVAVGSGSKGK GGEIQPVSVKVGDKVLLPEYGGTKVVLDDKDYFLFRDGDILGKYVD
Purity	> 98%
Applications	WB

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Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	4°C
Concentration	1 mg/mL
Storage Buffer	Tris (pH 8). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	HSPE1 heat shock protein family E (Hsp10) member 1 [Homo sapiens (human)]
Official Symbol	HSPE1
Synonyms	HSPE1; heat shock protein family E (Hsp10) member 1; EPF; CPN10; GROES; HSP10; 10 kDa heat shock protein, mitochondrial; Names; 10 kDa chaperonin; chaperonin 10; early-pregnancy factor; epididymis secretory sperm binding protein; heat shock 10kD protein 1 (chaperonin 10); heat shock 10kDa protein 1
Gene ID	3336
mRNA Refseq	NM_002157
Protein Refseq	NP_002148

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MIM	600141
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UniProt ID	P61604
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