

Recombinant Full Length Human HSPE1 Protein, GST-tagged

Cat. No. HSPE1-5653HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HSPE1 full-length ORF (AAH23518, 1 a.a. - 102 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	102 amino acids
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. [provided by RefSeq
Molecular Mass	36.96 kDa
AA Sequence	MAGQAFRKFLPLFDRVLVERSAAETVTKGGIMLPEKSQGKVLQATVVAVGSGSKGK GGEIQPVSVKVGDKVLLPEYGGTKVLLDDKDYFLFRDGDILGKYVD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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