Recombinant Human 10 kDa heat shock protein, mitochondrial (HSPE1)

Product Code	CSB-MP010865HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P61604
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	AGQAFRKFL PLFDRVLVER SAAETVTKGG IMLPEKSQGK VLQATVVAVG SGSKGKGGEI QPVSVKVGDK VLLPEYGGTK VVLDDKDYFL FRDGDILGKY VD
Source	Mammalian cell
Target Names	HSPE1
Protein Names	Recommended name: 10 kDa heat shock protein, mitochondrial Short name= Hsp10 Alternative name(s): 10 kDa chaperonin Chaperonin 10 Short name= CPN10 Early-pregnancy factor Short name= EPF
Expression Region	2-102
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.