Heat Shock 10kDa Protein, Mitochondrial Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Hsp10, 10 kDa chaperonin, Chaperonin 10, CPN10, Early-pregnancy factor, EPF, HSPE1

Cat. No.:
RD172263100 (0.1 mg)

Description

Total 111 AA. MW: 12.0 kDa (calculated). UniProtKB acc.no. P61604. N-Terminal His-tag (10 extra AA)

Research topic

Others, Reproduction

Amino Acid Sequence

MKHHHHHHAS AGQAFRKFLP LFDRVLVERS AAETVTKGGI MLPEKSQGKV LQATVVAVGS GSKGKGGEIQ PVSVKVGDKV LLPEYGGTKV VLDDKDYFLF RDGDILGKYV D

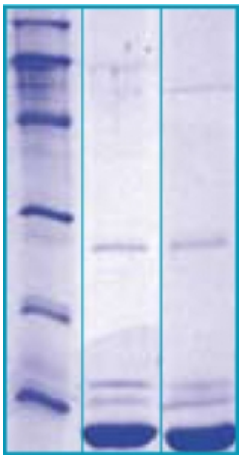
Source

E. coli

Purity

Purity as determined by densitometric image analysis: >90%

SDS-PAGE gel



14% SDS-PAGE separation of Human HSP10
1. M.W. marker - 97, 66, 45, 31, 21, 14 kDa
2. reduced and heated sample, 5µg/lane
3. non-reduced and non-heated sample, 5µg/lane

Endotoxin

<1.0 EU/ug

Formulation

Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 0.05 M phosphate buffer, 0.075 M NaCl, pH 7.4

Reconstitution

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

At temperature 2 - 8°C Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

Quality Control Test

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

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