

**HSP10, 1-102aa, Human, Recombinant, E.coli**

**Cat.NO.: TP02517**

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3th Edition

**Synonyms:**Heat shock protein 10, Chaperonin 10, CPN10, GroES

**Description:**Heat shock protein (HSP) 10 is a member of the highly conserved group of molecular chaperons, which are necessary for efficient folding of many proteins in normal and stress conditions and have been implicated in several human diseases. HSP10 is the ~10kD mammalian equivalent to GroES of E.coli. The function of Hsp10 is to bind Hsp60 (also known as chaperonin-60), in the presence of ATP, thereby promoting a conformational change in Hsp60 and enclosing the protein substrate within the complex.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0), 50 mM NaCl

**Molecular Weight:**10 kDa (102 aa)

**Sequences:**

**Purity:**> 95% by HPLC

**Concentration:**1.0 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.