

Recombinant Human GroES (Hsp10)

ORDERING INFORMATION

Catalog Number	Size
11131P-5	5ug
11131P-20	20ug
11131P-1000	1000ug

Formulation: Sterile-filtered colorless solution contains 20mM Tris buffer, pH 8.0, and 50mM NaCl. Purified by proprietary chromatographic techniques.

BACKGROUND

Hsp10 is a molecular chaperone that plays a role in protein folding under normal and stress conditions. It binds to Hsp60 in the presence of ATP causing a change in Hsp60 conformation and thus enclosing a protein substrate within this complex. ATP hydrolysis by chaperonin-60 destabilizes the Hsp10-Hsp60 complex allowing it to dissociate and release the protein substrate.

DESCRIPTION

Recombinant Human GroES (Hsp10) produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 102 amino acids with a molecular weight of 10kDa.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

Purity: Greater than 98% as determined by SDS-PAGE and RP-HPLC.

Accession number: P61604

Amino Acid Sequence:

MAGQAFRKFL PLFDRVLVER SAAETVTKGG
IMLPEKSQ GK VLQATVAVG SGSKGKGG EI
QPVSVKVGDK VLLPEYGGTK VVLDDKDYFL
FRDGDILGKY VD

STORAGE AND STABILITY

Store at 4°C if entire vial will be used within 2-4 weeks. Store at or below -20°C for longer periods of time. For long term storage, addition of a carrier protein (0.1% HSA or BSA) is recommended.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.