

Product information

GroES, 1-97 aa

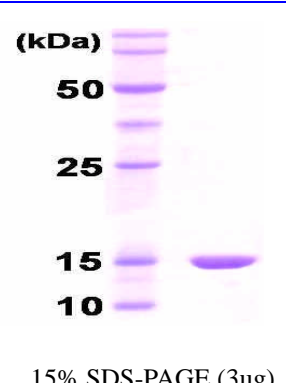
E.coli, Recombinant, *E.coli*

Cat. No. IBGRS3002

Synonyms: 10 kDa chaperonin, Protein Cpn10, groS, mopB

NCBI Accession No.: NP_418566

Description: GroES protein is the co-chaperonin of GroES in *E.coli* and assists protein folding. GroEL mediated folding requires the co-chaperonin GroES which is essential for viability. GroES is composed of a single heptameric ring of 10kDa subunits that binds to the ends of the GroEL cylinder. GroES gene was amplified by PCR from *E.coli* and cloned into an expression vector. This protein was overexpressed in *E.coli* and was purified by using conventional chromatography techniques.

<p>Form: Liquid. In 25 mM Tris buffer (pH 7.5) containing 100 mM NaCl, 5 mM DTT, 10% glycerol</p> <p>Molecular Weight: 10.4kDa (97aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	
<p>Sequences of amino acids:</p> <p>MNIRPLHDRV IVKRKEVETK SAGGIVLTGS AAKSTRGEV LAVGNRILE NGEVKPLDVK VGDIVIFNDG YGVKSEKIDN EEVLIMSESD ILAIVEA</p>	

General references:

Jue D. Wang , *et al* (1998) *Proc. Natl. Acad. Sci. USA* **95**, 12163-12168

Landry,S.J., *et al*(1993) *Nature* **364** , 255-258

Xu, Z., *et al*(1997) *Nature* **388**,741-750

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.