

## Recombinant E.coli Co-chaperonin GroES

**Cat. No.** GroES-531E    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Co-chaperonin GroES was overexpressed in <i>E.coli</i> and was purified by using conventional chromatography techniques. MW =10.4kDa (97aa).
<b>Species</b>	E.coli
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Amino Acid Sequence</b>	MNIRPLHDRV IVKRKEVETK SAGGIVLTGS AAKSTRGEV LAVGNRILE NGEVKPLDVK VGDIVIFNDG YGVKSEKIDN EEVLIMSESDILAIVEA.
<b>Form</b>	Liquid. In 25 mM Tris buffer (pH 7.5) containing 100 mM NaCl, 5 mM DTT, 10% glycerol.
<b>Purity</b>	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.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Storage</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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## GENE INFORMATION

<b>Gene Name</b>	groES co-chaperonin GroES [ Escherichia coli str. K-12 substr. DH10B ]
<b>Synonyms</b>	GroES; co-chaperonin GroES
<b>Gene ID</b>	6061370
<b>mRNA Refseq</b>	YP_001732911
<b>UniProt ID</b>	B1XDP6

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