

Recombinant E.coli Co-chaperonin GroES

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

SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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GENE INFORMATION

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

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