

## Product datasheet for SA6021X

### groS / groES Escherichia coli Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	groS / groES e. coli protein, 0.5 mg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MNIRPLHDRV IVKRKEVETK SAGGIVLTGS AAKSTRGEV LAVGNRILE NGEVKPLDVK VGDIVIFNDG YGVKSEKIDN EEVLIMSESD ILAIVEA
Predicted MW:	10.4 kDa
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid protein Buffer System: 25 mM Tris-HCl (pH 7.5) 100 mM NaCl, 5 mM DTT, 10% Glycerol
Preparation:	Liquid protein
Protein Description:	This protein was overexpressed in E.coli and was purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Summary:	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.



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**Product images:**

