

32-5314: Recombinant E.Coli GroES (HSP10)

Alternative Name : CPN10,GROES,HSP10,HSPE1,10 kDa chaperonin,Protein Cpn10,groES protein,11.2 kDa stress response protein,Heat shock protein 10.

Description

Source : Escherichia Coli. Recombinant GroES produced in E.Coli is a single, non-glycosylated polypeptide chain containing 97 amino acids and having a molecular mass of 10.4 kDa. 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.

Product Info

Amount : 50 µg
Purification : Greater than 95.0% as determined by analysis by SDS-PAGE.
Content : The GroES protein (1mg/ml) contains 25mM Tris-HCl buffer (pH 7.5), 100mM NaCl, 5mM DTT and 10% Glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid : MNIRPLHDRV IVKRKEVETK SAGGIVLTGS AAAKSTRGEV LAVGNRILE GEVKPLDVKVGDIVIFNDG YGVKSEKIDN EEVLIMSESD ILAIVEA.