

GroES recombinant protein

Recombinant E Coli GroES (HSP10)

CATALOG #
AAA38371

HOST
E Coli

PRODUCT SYNONYMS

GroES; Recombinant E Coli GroES (HSP10); GroES E.Coli; GroES (HSP10) E.Coli Recombinant; CPN10; GROES; HSP10; HSPE1; 10 kDa chaperonin; Protein Cpn10; groES protein; 11.2 kDa stress response protein; Heat shock protein 10; GroES recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The groES protein contains 25mM Tris-HCl buffer (pH 7.5), 100mM NaCl, 1mM DTT and 10% Glycerol. Sterile filtered colorless solution.
Sequence	MNIRPLHDRV IVKRKEVETK SAGGIVLTGS AAKSTRGEV LAVGNRILE GEVKPLDVKV GDIVIFNDGY GVKSEKIDNE EVLIMSESDI LAIVEA
Sequence Length	102
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.

ADDITIONAL INFORMATION

Related Product Information for GroES recombinant protein	Description: 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. Introduction: 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 Categories/Family for GroES recombinant protein	Heat Shock Proteins; Recombinant Proteins; Heat Shock Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	21223140
NCBI GeneID	1100202
NCBI Accession #	NP_628919.1
NCBI GenBank Nucleotide #	NC_003888.3
Molecular Weight	10,946 Da
NCBI Official Full Name	co-chaperonin GroES
NCBI Official Symbol	groES

NCBI Protein Information	co-chaperonin GroES
UniProt Protein Name	10 kDa chaperonin
UniProt Gene Name	groS
UniProt Synonym Gene Names	groES
UniProt Entry Name	CH10_STRCO

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/gros-recombinant-protein-e-coli/38371>