

## 32-5317: Recombinant E.Coli Heat Shock Protein Cofactor 70 (HSP24)

**Alternative Name :** HSP24,HSPB25.3,HSP-70 Cofactor,Protein grpE,Heat shock protein B25.3,grpE,b2614,JW2594.

### Description

Source : Escherichia Coli. GrpE Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 197 amino acids and having a molecular mass of 21.8 kDa. The GrpE is purified by proprietary chromatographic techniques. GrpE , co-chaperone of E.coli, participates actively in the response to hyperosmotic and heat shock by preventing the aggregation of stress-denatured proteins in association with DnaK. This protein is the nucleotide exchange factor for DnaK and may function as a thermosensor. Several rounds of ATP-dependent interactions between DnaJ, DnaK and GrpE are required for fully efficient folding.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 90.0% as determined by analysis by SDS-PAGE.
<b>Content :</b>	The HSP24 protein solution contains 20mM Tris-HCl pH-8 and 0.1M NaCl.
<b>Storage condition :</b>	GrpE although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MSSKEQKTPE GQAPEEIIIMD QHEEIEAVEP EASAEQVDPR DEKIANLEAQ LAEAQTRERD GILRVKAEME NLRRTRELDI EKAHKFALEK FINELLPVID SLDRALEVAD KANPDMSAMV EGIELTLKSM LDVVRKFGVE VIAETNVPLD PNVHQAIAMV ESDDVAPGNV LGIMQKGYTL NGR TIRAAMV TVAKAKA.