OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR09033PU-N

grpE / HSP24 Escherichia coli Protein

Product data:

Product Type:	Recombinant Proteins
Description:	grpE / HSP24 e. coli recombinant protein, 0.1 mg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSSKEQKTPE GQAPEEIIMD QHEEIEAVEP EASAEQVDPR DEKIANLEAQ LAEAQTRERD GILRVKAEME NLRRRTELDI EKAHKFALEK FINELLPVID SLDRALEVAD KANPDMSAMV EGIELTLKSM LDVVRKFGVE VIAETNVPLD PNVHQAIAMV ESDDVAPGNV LGIMQKGYTL NGRTIRAAMV TVAKAKA
Predicted MW:	21.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris (pH 8.0), 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant e.coli GrpE protein (V44I) was overexpressed in E.coli and purified by using the conventional column chromatography techniques.
Note:	NCBI Accession number: NP_417104
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:	GrpE ,co-chaperone of E.coli, participates actively in the response to hyperosomotic 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, Dna K and GrpE are required for fully efficient folding.

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Product images: