

GrpE recombinant protein

GrpE, 1-197aa, E Coli, E Coli

CATALOG # AAA48473	HOST E Coli	APPLICATIONS SDS-Page
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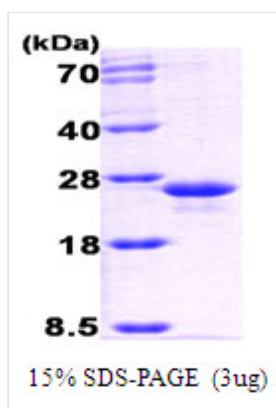
PRODUCT SYNONYMS

GrpE; 1-197aa; E Coli; HSP-70 cofactor; Heat shock protein B25.3; HSP24; HSP 70 cofactor.; GrpE recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris (pH 8.0), 100mM NaCl
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MSSKEQKTPE GQAPEEIIMD QHEEIEAVEP EASAEQVDPR DEKIANLEAQ LAEAQTRERD GILRVKAEME NLRRTTELDI EKAHKFALEK FINELLPVID SLDRALVAD KANPDMSAMV EGIELTLKSM LDVVRKFGVE VIAETNVPLD PNVHQAIAMV ESDDVAPGNV LGIMQKGYTL NGRTIRAAMV TVAKAKA
Sequence Length	197
Applicable Applications for GrpE recombinant protein	SDS-PAGE
Antigen Species	E Coli
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for GrpE recombinant protein	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, Dna K and GrpE are required for fully efficient folding. Recombinant GrpE protein was overexpressed in E Coli and purified by using the conventional column chromatography techniques.
Product Categories/Family for GrpE recombinant protein	Heat Shock Proteins
References	Lipinska B, King J, Ang D, Georgopoulos C (1988). Nucleic Acids Res.16: 545-7562; Liberek K., Marszzalek J., Ang D, Georgopoulos C., Zylicz M. (1991). Proc. Natl. Acad.Sci. u.S.A. 88: 2874-2878.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	16130533
NCBI GeneID	947097
NCBI Accession #	NP_417104
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P09372
Molecular Weight	21.8kDa (197aa), confirmed by MALDI-TOF.
NCBI Official Full Name	heat shock protein
NCBI Official Symbol	grpE
NCBI Official Synonym Symbols	ECK2610; JW2594
NCBI Protein Information	heat shock protein
UniProt Protein Name	Protein GrpE
UniProt Gene Name	grpE

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.

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Online datasheet: <https://stage.aaabiotech.com/grpe-recombinant-protein-e-coli-sds-page/48473>