

Recombinant Human GrpE-like 1, Mitochondrial (E. coli), His-tagged

Cat. No. GRPEL1-2840H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GRPEL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW =23.6 kDa (211aa) confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	GRPEL1 is an essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. This protein seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MCTATKQKNS GQNLEEDMGQ SEQKADPPAT EKTLLLEEKVK LEEQLKETVE KYKRALADTE NLRQRSQKLV EEAKLYGIQA FCKDLLEVAD VLEKATQCVF KEEIKDDNPH LKNLYEGLVM TEVQIQKVFT KHGLLKLNPV GAKFDPYEHE ALFHTPVVEGK EPGTVALVSK VGYKLHGRTL RPALVGVVKE A
Purity	> 90% by SDS – PAGE.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 1mM DTT, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	GRPEL1 GrpE-like 1, mitochondrial (E. coli) [Homo sapiens]
Synonyms	GRPEL1; GrpE-like 1, mitochondrial (E. coli); HMGE; FLJ25609; grpE protein homolog 1, mitochondrial; mt-GrpE#1; GrpE-like protein cochaperone
Gene ID	80273
mRNA Refseq	NM_025196
Protein Refseq	NP_079472
MIM	606173
UniProt ID	Q9HAV7
Chromosome Location	4p16
Function	adenyl-nucleotide exchange factor activity; chaperone binding; protein homodimerization activity; unfolded protein binding