

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 MGSSHHHHH SSGLVPRGSH MCTATKQKNS GQNLEEDMGQ SEQKADPPAT
 EKTLLLEEKVK LEEQLKETVE KYKRALADTE NLRQRSQKLV EEAKLYGIQA
 FCKDLLEVAD VLEKATQCVP KEEIKDDNPH LKNLYEGLVM TEVQIQKVFT
 KHGLLKLNPV GAKFDPYEHE ALFHTPVEGK 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.

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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 adenylnucleotide exchange factor activity; chaperone binding; protein homodimerization activity; unfolded protein binding

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