

Recombinant Human GRPEL1, His-tagged

Cat. No. GRPEL1-27415TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GRPEL1 (aa 28-217), with N terminal His tag; 211aa inclusive of tag, 23.6kDa.
Species	Human
Source	E.coli
ProteinLength	190 amino acids
Description	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.
Conjugation	HIS
Molecular Weight	23.600kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 200mM Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid

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repeated freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MCTATKQKNS GQNLEEDMGQ SEQKADPPAT
 EKTLLLEEKVK LEEQLKETVE KYKRALADTE NLRQRSQKLVEEAKLYGIQA
 FCKDLLEVAD VLEKATQCVP KEEIKDDNPH LKNLYEGLVM TEVQIQKVFT
 KHGLLKLNPV GAKFDPYEHE ALFHTPVEGKEPGTVALVSK VGYKLHGRTL
 RPALVGVVKE A

Sequence Similarities

Belongs to the grpE family.

GENE INFORMATION

Gene Name [GRPEL1 GrpE-like 1, mitochondrial \(E. coli\) \[Homo sapiens \]](#)

Official Symbol [GRPEL1](#)

Synonyms [GRPEL1](#); [GrpE-like 1, mitochondrial \(E. coli\)](#); [grpE protein homolog 1, mitochondrial](#); [FLJ25609](#); [HMGE](#);

Gene ID [80273](#)

mRNA Refseq [NM_025196](#)

Protein Refseq [NP_079472](#)

MIM [606173](#)

Uniprot ID [Q9HAV7](#)

Chromosome Location 4p16

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Function

adenyl-nucleotide exchange factor activity; chaperone binding; protein homodimerization activity; unfolded protein binding;

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