

Recombinant Human GRPEL2 protein, His-tagged

Cat. No. GRPEL2-13550H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRPEL2 protein(1-225 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-225 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MAVRSLWAGRLRVQRLLAWSAAWESKGWPLPFSTATQRTAGEDCRSEDPPDELG PPLAERALRVKAVKLEKEVQDLTVRYQRAIADCENIRRRRTQRCVEDAKIFGIQSFCKD LVEVADILEKTTECISEESEPEDQKLTLEKVFRGLLLLEAKLKSVMFAKHGLEKLTPIGD KYDPHEHELICHVPAGVGVQPGTVALVRQDGYKLHGRTIRLARVEVAVESQRRL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name GRPEL2 GrpE-like 2, mitochondrial (E. coli) [Homo sapiens]

Official Symbol GRPEL2

Synonyms GRPEL2; GrpE-like 2, mitochondrial (E. coli); grpE protein homolog 2, mitochondrial; DKFZp451C205; FLJ23713; Mt GrpE#2; Mt-GrpE#2; FLJ33918;

Gene ID 134266

mRNA Refseq NM_152407

Protein Refseq NP_689620

UniProt ID Q8TAA5

SDS-PAGE

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