

Product datasheet for **AR09683PU-N**

GRPEL1 (28-217, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	GRPEL1 (28-217, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>M</u> CTATKQKNS GQNLEEDMGQ SEQKADPPAT EKTLLLEEKVK LEEQLKETVE KYKRALADTE NLRQRSQKLV EEAELYGIQA FCKDLLEVAD VLEKATQCVK KEEIKDDNPH LKNLYEGLVM TEVQIQKVFT KHGLLKLNPV GAKFDPYEHE ALFHTPVEGK EPGTVALVSK VGYKLHGRTL RPALVGVVKE A
Tag:	His-tag
Predicted MW:	23.6 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GRPEL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_079472</u>
Locus ID:	80273
UniProt ID:	<u>Q9HAV7</u>
Cytogenetics:	4p16.1
Synonyms:	GrpE; HMGE; mt-GrpE#1



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Summary:

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 (By similarity). Seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins (PubMed:11311562).[UniProtKB/Swiss-Prot Function]

Product images: