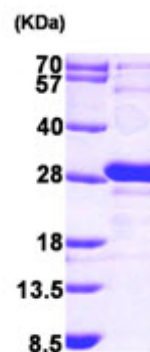


AR09683PU-L

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

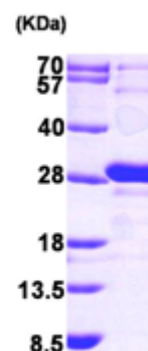
Alternate names:	GREPEL1, GrpE protein homolog 1, HMGE, Mt-GrpE#1
Quantity:	0.25 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	GRPEL1 is an essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. This protein seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins.
Uniprot ID:	Q9HAV7
NCBI:	NP_079472
GeneID:	80273
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 1mM DTT, 10% glycerol
Description:	Recombinant human GRPEL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MCTATKQKNS GQNLEEDMGQ SEQKADPPAT EKTLLLEEKVK LEEQLKETVE KYKRALADTE NLRQRSQKLV EEAKLYGIQA FCKDLLEVAD VLEKATQCVP KEEIKDDNPH LKNLYEGLVM TEVQIQKVFT KHGLLKLNPV GAKFDPYEHE ALFHTPVGEK EPGTVALVSK VGYKLHGRTL RPALVGVVKE A Molecular weight: 23.6 kDa (211aa) confirmed by MALDI-TOF
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. Shelf life: one year from despatch.
General Readings:	Borges JC., et al. (2003) J Biol Chem. 278(37):35337-44.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human GRPEL1, 28-217 aa,
His-tagged



15% SDS-PAGE (3ug)