

GRPEL1, 28-217aa, Human, His tag, E.coli

Cat.NO.: TP02340

3th Edition

Synonyms:grpE protein homolog 1, mitochondrial, FLJ25609, HMGE

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. Recombinant human GRPEL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl,1mM DTT, 10% glycerol

Molecular Weight:23.6 kDa (211aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMCTATKQKNSGQNLEEDMGQSEQKADPPATEKTLLEEKVKLEEQLKETVEKYKR
ALADTENLRQRSQKLVEEAKLYGIQAFCKDLLEVADVLEKATQCVPKKEIKDDNPHLKNLYEGLVMTEVQIQKVFTK
HGLLKLNPVGAKFDPYEHEALFHTPVEGKEPGTVALVSKVGYKLHGRTLRLPALVGVVKEA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.