

GrpE-Like 1 Recombinant Protein | GRPEL1 recombinant protein

Recombinant Human GrpE-Like 1

CATALOG # AAA38864	HOST E Coli
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PRODUCT SYNONYMS

GrpE-Like 1; Recombinant Human GrpE-Like 1; GRPEL1 Human; GrpE-Like 1 Human Recombinant; HMGE; GrpE-like protein cochaperone; GREPEL1; FLJ25609; GRPEL1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The GRPEL1 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 1mM DTT and 10% glycerol. Sterile Filtered clear solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMCT ATKQKNSGQN LEEDMGQSEQ KADPPATEKT LLEEKVKLEE QLKETVEKYK RALADTENLR QRSQKLVEEA KLYGIQAFCK DLLEVADVLE KATQCVPKEE IKDDNPHLKN LYEGLVMTEV QIQKVFTKHG LLKLNPVGAK FDPYEHEALF HTPVEGKEPG TVALVSKVGY KLHGRTLRLPA LVGVVKEA
Sequence Length	217
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GRPEL1 recombinant protein	Description: GRPEL1 produced in E Coli is a single, non-glycosylated polypeptide chain containing 211 amino acids (28-217a.a.) and having a molecular mass of 23.6kDa. GRPEL1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: GRPEL1 is a vital component of the PAM complex, a complex necessary for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. GRPEL1 protein controls the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins.
Product Categories/Family for GRPEL1 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	24308295
NCBI GeneID	80273
NCBI Accession #	NP_079472.1
NCBI GenBank Nucleotide #	NM_025196.2
UniProt Accession #	Q9HAV7 ; Q549M6 ; B2R783
Molecular Weight	24,279 Da

NCBI Official Full Name	grpE protein homolog 1, mitochondrial
NCBI Official Synonym Full Names	GrpE-like 1, mitochondrial (E. coli)
NCBI Official Symbol	GRPEL1
NCBI Official Synonym Symbols	HMGE
NCBI Protein Information	grpE protein homolog 1, mitochondrial; GrpE-like protein cochaperone; mt-GrpE#1
UniProt Protein Name	GrpE protein homolog 1, mitochondrial
UniProt Gene Name	GRPEL1
UniProt Synonym Gene Names	GREPEL1
UniProt Entry Name	GRPE1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/grpel1-recombinant-protein-e-coli/38864>