

Product datasheet for **CF812313**

GRPEL1 Mouse Monoclonal Antibody [Clone ID: OTI6G6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI6G6
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 28-217 of human GRPEL1 (NP_079472) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24.1 kDa
Gene Name:	GrpE like 1, mitochondrial
Database Link:	NP_079472 Entrez Gene 80273 Human Q9HAV7

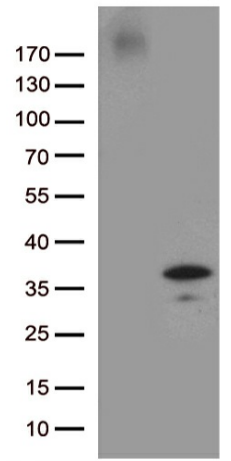


[View online »](#)

Background: 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. Seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins. [UniProtKB/Swiss-Prot Function]

Synonyms: GrpE; HMGE; mt-GrpE#1

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GRPEL1 (Cat# [RC206086], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GRPEL1 antibody (Cat# [TA812313]). Positive lysates [LY410847] (100ug) and [LC410847] (20ug) can be purchased separately from OriGene.