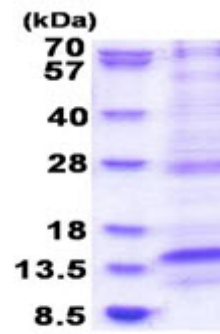


AR51611PU-N**Human LAMTOR4 (1-99, His-tag) - Purified**

Alternate names:	C7orf59, Ragulator complex protein LAMTOR4
Quantity:	0.1 mg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	LAMTOR4 is involved in amino acid sensing and activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. Activated by amino acids through a mechanism involving the lysosomal V-ATPase, the Ragulator functions as a guanine nucleotide exchange factor activating the small GTPases Rag. Activated Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated.
Uniprot ID:	Q0VGL1
NCBI:	NP_001008396
GeneID:	389541
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Description:	Recombinant human LAMTOR4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MGSMTSALTQ GLERIPDQLG YLVLSEGA VL ASSGDLENDE QAASAISELV STACGFR LHR GMNVPFKRLS VVFGHEHTLLV TVSGQRV FVV KRQNRGREPI DV Molecular weight: 13.1 kDa (122aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Bar-Peled L., et al. (2011) Cell. 150:1196-1208 Burkard T.R., et al. (2012) BMC Syst. Biol. 5:17-17

Pictures:



15% SDS-PAGE (3ug)