

Product datasheet for **TP309099M**

C7orf59 (LAMTOR4) (NM_001008395) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 7 open reading frame 59 (C7orf59), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209099 protein sequence Red =Cloning site Green =Tags(s)
	MTSALTQGLERIPDQLGYLVLSEGAVLASSGDLENDEQAASAISELVSTACGFRLLHRGMNVFPKRLSVWF GEHTLLVTVSGQRVFWKRQNRGREPIDV
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	10.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001008396
Locus ID:	389541
UniProt ID:	Q0VGL1
RefSeq Size:	613
Cytogenetics:	7q22.1



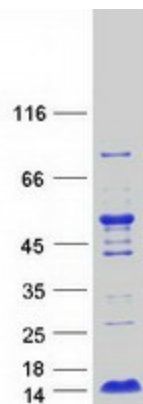
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RefSeq ORF: 297

Synonyms: C7orf59

Summary: As part of the Ragulator complex it 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.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified LAMTOR4 protein (Cat# [TP309099]). The protein was produced from HEK293T cells transfected with LAMTOR4 cDNA clone (Cat# [RC209099]) using MegaTran 2.0 (Cat# [TT210002]).