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32-4092: Recombinant Human LAMTOR4

Alternative Name :	Late Endosomal/Lysosomal Adaptor,MAPK And MTOR Activator 4,C7orf59,Late Endosomal/Lysosomal Adaptor And MAPK And MTOR Activator 4,Chromosome 7 Open Reading Frame 59,Ragulator Complex Protein LAMTOR4,UPF0539 Protein C7orf59,LAMTOR4.

Description

Source : Escherichia Coli. LAMTOR4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 122 amino acids (1-99 a.a) and having a molecular mass of 13.1kDa. LAMTOR4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. LAMTOR4 is implicated in amino acid sensing and activation of mTORC1, which is a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. LAMTOR4 is activated by amino acids via a mechanism which involves the lysosomal V-ATPase, the Ragulator functions as a guanine nucleotide exchange factor activating the small GTPases Rag. Activated Ragulator and Rag GTPases both function as a scaffold recruiting mTORC1 to lysosomes where it is sequentially activated.

Product Info

Amount :	10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	LAMTOR4 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMTSALTQ GLERIPDQLG YLVLSEGAVL ASSGDLENDE QAASAISELV STACGFRLHR GMNVPFKRLS VVFGEHTLLV TVSGQRVFVV KRQNRGREPI DV.