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LAMTOR4, 1-99aa, Human, His tag, E.coli

产品货号: TP02779

第三版

别名: Ragulator complex protein LAMTOR4, C7orf59

描述: 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. Recombinant human LAMTOR4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量: 13.1 kDa (122aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMTSALTQGLERIPDQLGYLVLSEGA VLASSGDLENDEQAASAISELVSTACGFRLHR
GMNVPFKRLSVVFGHEHTLLVTVSGQRV FVVKRQNRGREPIDV

纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.