

Product datasheet

Recombinant Human LAMTOR2 protein ab101637

1 图像

描述

产品名称	重组人LAMTOR2蛋白
纯度	> 95 % SDS-PAGE. ab101637 was purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	Q9Y2Q5
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHSSGLVPRGSHMGSHMLRPKALTQVLSQANT GGVQSTLLLN NEGSLLAYSGYGDTDARVTAASNIWAAYDRNGNQAFNEDN LKFILMDC MEGRVAITRVANLLLCMYAKETVGFGLKAKAQALVQYLEEP LTQVAAS
预测分子量	16 kDa including tags
氨基酸	1 to 125
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab101637** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Mass Spectrometry
质谱法	MALDI-TOF
形式	Liquid

制备和贮存

稳定性和存储 Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.0308% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 1.16% Sodium chloride

常规信息

功能

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. Adapter protein that enhances the efficiency of the MAP kinase cascade facilitating the activation of MAPK2.

疾病相关

Defects in LAMTOR2 are the cause of immunodeficiency due to defect in MAPBP-interacting protein (ID-MAPBPIP) [MIM:610798]. This form of primary immunodeficiency syndrome includes congenital neutropenia, partial albinism, short stature and B-cell and cytotoxic T-cell deficiency.

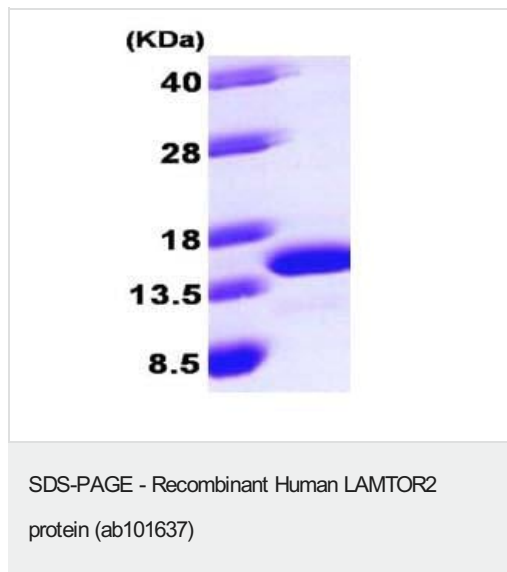
序列相似性

Belongs to the GAMAD family.

细胞定位

Late endosome membrane. Lysosome membrane.

图片



ab101637 (3 µg) analyzed by 15% SDS PAGE.

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