Recombinant human ROBLD3/LAMTOR2 protein

Catalog Number: ATGP0834

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-125aa

UniProt No.
Q9Y2Q5

NCBI Accession No.
NP_054736.1

Alternative Names
ENDAP, Endosomal adaptor protein p14, Late endosomal/lysosomal adaptor and MAPK and MTOR activator 2, MAPBP-interacting protein, MAPBPIP, MAPKSP1 adaptor protein, MAPKSP1AP, Mitogen activated protein binding protein interacting protein, p14, Ragulator complex protein LAMTOR2, Ragulator2, Roadblock domain containing 3

PRODUCT SPECIFICATION

Molecular Weight
16 kDa (149aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by BCA)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M Nacl, 10% glycerol

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
ROBLD3, also known as MAPBPIP, belongs to the GAMAD family. It is an adapter protein that enhances the efficiency of the MAP kinase cascade and facilitates the activation of MAPK2. ROBLD3 compels the recruitment of MP1 to late endosomes where they form a very stable heterodimeric complex required for ERK activation on

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endosomes. Recombinant human ROBLD3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

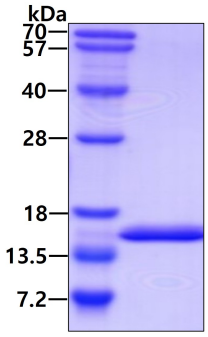
<MGSSHHHHHH SSGLVPRGSH MGSH>MLRPKA LTQVLSQANT GGVQSTLLLN NEGSLLAYSG YGDTDARVTA AIASNIWAAY DRNGNQAFNE DNLKFILMDC MEGRVAITRV ANLLLCMYAK ETVGFGMLKA KAQALVQYLE EPLTQVAAS

General References

Sancak Y., et al. (2010) Cell. 141(2):290-303.
Waters S., et al. (2009) FEBS Lett. 583(12):1846-52.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.