Recombinant human ROBLD3/LAMTOR2 protein

Catalog Number: ATGP2067

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-125aa

UniProt No.
Q9Y2Q5

NCBI Accession No.
NP_054736

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
15.9 kDa (148aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

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

Purity
> 90% 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
LAMTOR2 is highly conserved with a mouse protein associated with the cytoplasmic face of late endosomes and lysosomes. The mouse protein interacts with MAPK scaffold protein 1, a component of the mitogen-activated protein kinase pathway. In humans, a mutation in this gene has been associated with a primary

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immunodeficiency syndrome, and suggests a role for this protein in endosomal biogenesis. Recombinant human LAMTOR2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

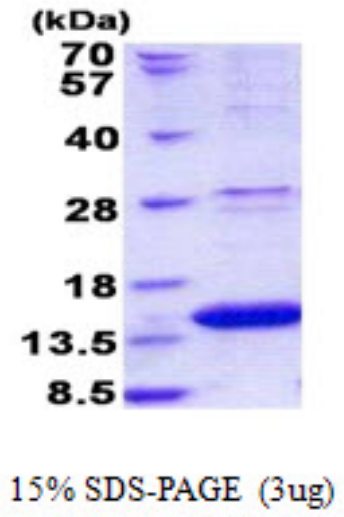
MGSSHHHHHH SSGLVPRGSH MGSMLRPKAL TQVLSQANTG GVQSTLLLNN EGSLLAYSGY GDTDARVTAA IASNIWAAYD RNGNQAFNED NLKFILMDCM EGRVAITRVA NLLLCMYAKE TVGFGMLKAK AQALVQYLEE PLTQVAAS

General References

Bohn G., et al. (2007) Nat. Med. 13:38-45
Sancak Y., et al. (2010) Cell. 141:290-303

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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