

LAMTOR2 cDNA

Catalog Number: ATGD0210

PRODUCT INFORMATION

Catalog number

ATGD0210

Product type

cDNA

Species

Human

NCBI Accession No.

NP_054736.1

Alternative Names

ENDAP, HSPC003, MAPBPIP, MAPKSP1AP, p14, Ragulator2, ROBLD3

mRNA Refseq

NM_014017.3

OMIM

610389

Chromosome location

1q22

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

378bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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The product of ROBLD3 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 immunodeficiency syndrome, and suggests a role for this protein in endosomal biogenesis. Multiple transcript variants encoding different isoforms have been found for this gene.

DATA

Sequence nucleotides

```
ATGCTGCGCCCAAGGCTTTGACCCAGGTGCTAAGCCAAGCCAACACTGGAGGCGTCCAGAGCACCTGCTGCTGAATAAC
GAGGGATCACTGCTGGCCTACTCTGGTTACGGGGACACTGACGCCCGGGTCACCGCTGCCATAGCCAGTAACATCTGGGC
CGCCTACGACCGGAACGGGAACCAAGCGTTTAATGAAGACAATCTCAAATTCATCCTCATGGACTGCATGGAGGGCCGTGT
AGCCATCACCCGAGTGGCCAACCTTCTGCTGTGTATGTATGCCAAGGAGACCGTGGGCTTTGGAATGCTCAAGGCCAAGGC
CCAGGCTTTGGTGCAGTACCTGGAGGAGCCCTCACCCAAGTGGCGGCATCTTAA
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Transaction Sequence

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MLRPKALTQV LSQANTGGVQ STLLLNEGS LLAYSGYGD DARVTAAIAS NIWAAYDRNG NQAFNEDNLK FILMDCMEGR
VAITRVANLL LCMYAKETVG FGMLKAKAQA LVQYLEEPLT QVAAS
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