## 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 7000 rpm for 1 minute.
2. Carefully open the vial and add 100 ul 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

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

ATGCTGCGCCCCAAGGCTTTGACCCAGGTGCTAAGCCAAGCCAACACTGGAGGCGTCCAGAGCACCCTGCTGCTGAATAAC GAGGGATCACTGCTGGCCTACTCTGGTTACGGGGACACTGACGCCCGGGTCACCGCTGCCATAGCCAGTAACATCTGGGC CGCCTACGACCGGAACGGGAACCAAGCGTTTAATGAAGACAATCTCAAATTCATCCTCATGGACTGCATGGAGGGCCGTGT AGCCATCACCCGAGTGGCCAACCTTCTGCTGTGTATGTATGCCAAGGAGACCGTGGGCTTTGGAATGCTCAAGGCCAAGGC CCAGGCTTTGGTGCAGTACCTGGAGGAGCCCCTCACCCAAGTGGCGGCATCTTAA

## Transaction Sequence

MLRPKALTQV LSQANTGGVQ STLLLNNEGS LLAYSGYGDT DARVTAAIAS NIWAAYDRNG NQAFNEDNLK FILMDCMEGR VAITRVANLL LCMYAKETVG FGMLKAKAQA LVQYLEEPLT QVAAS

