# **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

Centrifuge at 7000rpm for 1 minute.
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**



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

#### **Transaction Sequence**

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