

Product datasheet for **RC200862L4V**

robld3 (LAMTOR2) (NM_014017) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	robld3 (LAMTOR2) (NM_014017) Human Tagged ORF Clone Lentiviral Particle
Symbol:	robld3
Synonyms:	ENDAP; HSPC003; MAPBPIP; MAPKSP1AP; p14; Ragulator2; ROBLD3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014017
ORF Size:	375 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200862).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_014017.1
RefSeq Size:	699 bp
RefSeq ORF:	378 bp
Locus ID:	28956
UniProt ID:	Q9Y2Q5
Cytogenetics:	1q22
MW:	13.5 kDa



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Gene Summary:

The product of this gene 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. [provided by RefSeq, Feb 2009]