

Product datasheet for **SC125660**

robld3 (LAMTOR2) (NM_014017) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	robld3 (LAMTOR2) (NM_014017) Human Untagged Clone
Tag:	Tag Free
Symbol:	robld3
Synonyms:	ENDAP; HSPC003; MAPBPIP; MAPKSP1AP; p14; Ragulator2; ROBLD3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_014017 edited GAGATCTGGGTGCAAAAGCCAGGGTTAGGAACCGTAGGCATGCTGCGCCCAAGGCTTT GACCCAGGTGCTAAGCCAAGCCAACACTGGAGGCGTCCAGAGCACCTGCTGCTGAATAA CGAGGGATCACTGCTGGCCTACTCTGGTTACGGGGACTGACGCCCGGGTCAACCCTGC CATAGCCAGTAACATCTGGCCGCTACGACCGGAACGGGAACCAAGCGTTTAATGAAGA CAATCTCAAATTCATCCTCATGGACTGCATGGAGGGCCGTGTAGCCATCACCCGAGTGGC CAACCTTCTGCTGTGTATGTATGCCAAGGAGACCGTGGGCTTTGGAATGCTCAAGGCCAA GGCCCAGGCTTTGGTGCAGTACCTGGAGGAGCCCTCACCCAAGTGGCGGCATCTTAACG GCATTGGTGAAGCTGGGGTCAGAAAAGAGAAATGACCATTTGGAGGGCGGGGCTCCT AGAAGAACCTTCTAGACAATGGGGGAGGATGGGACTTTGTTTTTCCAAGAATAAACT TCAACTCTGTAAA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014017 unedited CACGAGGGAGATCTGGGTGCAAAAGCCAGGGTTAGGAACCGTAGGCATGCTGCGCCCA AGGCTTTGACCCAGGTGCTAAGCCAAGCCAACACTGGAGGCGTCCAGAGCACCTGCTGC TGAATAACGAGGGATCACTGCTGGCCTACTCTGGTTACGGGGACTGACGCCCGGGTCA CCGCTGCCATAGCCAGTAACATCTGGCCGCTACGACCGGAACGGGAACCAAGCGTTTA ATGAAGACAATCTCAAATTCATCCTCATGGACTGCATGGAGGGCCGTGTAGCCATCACCC GAGTGGCCAACCTTCTGCTGTGTATGTATGCCAAGGAGACCGTGGGCTTTGGAATGCTCA AGGCCAAGGCCAGGCTTTGGTGCAGTACCTGGAGGAGCCCTCACCCAAGTGGCGGCAT CTTAACGGCATTGGTGAAGCTGGGGTCAGAAAAGAGAAATGACCATTTGGAGGGCGGG GCCTCCTAGAAGAACCTTCTAGACAATGGGGGAGGATGGGACTTTGTTTTTCCAAGA ATAAACTCAACTCCTGT
Restriction Sites:	NotI-NotI
ACCN:	NM_014017



[View online »](#)

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_014017.1</u> , <u>NP_054736.1</u>
RefSeq Size:	602 bp
RefSeq ORF:	378 bp
Locus ID:	28956
UniProt ID:	<u>Q9Y2Q5</u>
Cytogenetics:	1q22
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>