

Product datasheet for RC231487

LARG (ARHGEF12) (NM_001198665) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LARG (ARHGEF12) (NM_001198665) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LARG
Synonyms:	LARG; PRO2792
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231487 representing NM_001198665 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC231487 representing NM_001198665
 Red=Cloning site Green=Tags(s)

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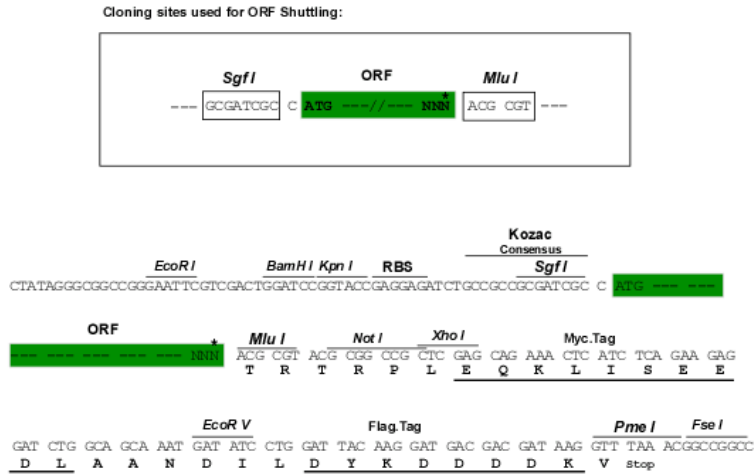
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Chromatograms: https://cdn.origene.com/chromatograms/mk8106_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

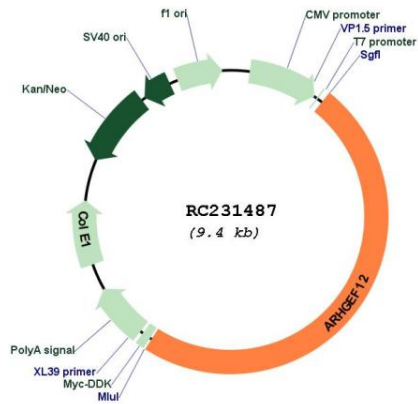


* The last codon before the Stop codon of the ORF

ACCN: NM_001198665

ORF Size:	4575 bp
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.
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:	NM_001198665.2
RefSeq ORF:	4578 bp
Locus ID:	23365
UniProt ID:	Q9NZN5
Cytogenetics:	11q23.3
Protein Pathways:	Axon guidance, Regulation of actin cytoskeleton, Vascular smooth muscle contraction
MW:	171.6 kDa
Gene Summary:	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli working through G protein-coupled receptors. The encoded protein may form a complex with G proteins and stimulate Rho-dependent signals. This protein has been observed to form a myeloid/lymphoid fusion partner in acute myeloid leukemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RC231487