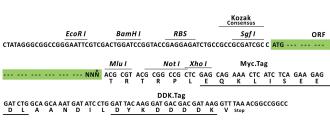


Product datasheet for RC208074L1

ARHGEF6 (NM_004840) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids Product Name: ARHGEF6 (NM_004840) Human Tagged Lenti ORF Clone Tag: Myc-DDK Symbol: ARHGEF6 Synonyms: alpha-PIX; alphaPIX; Cool-2; COOL2; MRX46; PIXA **Mammalian Cell** None Selection: Vector: pLenti-C-Myc-DDK (PS100064) E. coli Selection: Chloramphenicol (34 ug/mL) The ORF insert of this clone is exactly the same as(RC208074). **ORF** Nucleotide Sequence: **Restriction Sites:** Sgfl-Mlul **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF Sqf I Mlu I --- GCG ATC GC C ATG --- //--- NNN ACG CGT ---



* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM_004840 2328 bp

OriGene Technologies, Inc.

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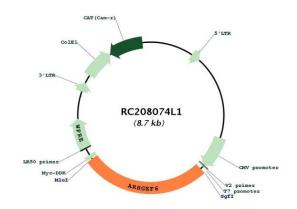
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	F6 (NM_004840) Human Tagged Lenti ORF Clone – RC208074L1
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ 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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 004840.2</u>
RefSeq Size:	5282 bp
RefSeq ORF:	2331 bp
Locus ID:	9459
UniProt ID:	<u>Q15052</u>
Cytogenetics:	Xq26.3
Domains:	RhoGEF, SH3, CH, PH
Protein Families:	Druggable Genome
Protein Pathways:	Pancreatic cancer, Regulation of actin cytoskeleton
MW:	87.3 kDa
Gene Summary:	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It may form a complex with G proteins and stimulate Rho- dependent signals. This protein is activated by PI3-kinase. Mutations in this gene can cause X-

chromosomal non-specific cognitive disability. [provided by RefSeq, Jul 2008]

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Product images:



Circular map for RC208074L1

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