

Product datasheet for SC333833

ARL 1 (ARL1) (NM_001301068) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL 1 (ARL1) (NM_001301068) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL 1
Synonyms:	ARFL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333833 representing NM_001301068. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGCCATTGGATTTAATGTAGAGACGGTGACGTACAAAAACCTTAAATTCGAAGTCTGGGATTTAGGA
 GGACAGACAAGTATCAGGCCATACTGGAGATGTTACTATTCAAACACAGATGCAGTCATTTATGTAGTA
 GACAGTTGTGACCGAGACCGAATTGGCATTTCAAATCAGAGTTAGTTGCCATGTTGGAGGAAGAAGAG
 CTGAGAAAAGCCATTTTAGTGGTGTTCGAAATAAACAGGACATGGAACAGGCCATGACTTCCTCAGAG
 ATGGCAAATTCCTTGGGTTACCTGCCTGAAGGACCGAAAATGGCAGATATTCAAACGTCAGCAACC
 AAAGGCACCGCCTTGATGAGGCAATGGAATGGTTAGTTGAAACATTA AAAAGCAGACAGTAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001301068
Insert Size:	408 bp
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).


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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_001301068.1</u>
RefSeq Size:	3115 bp
RefSeq ORF:	408 bp
Locus ID:	400
Cytogenetics:	12q23.2
MW:	15.4 kDa
Gene Summary:	<p>The protein encoded by this gene belongs to the ARL (ADP-ribosylation factor-like) family of proteins, which are structurally related to ADP-ribosylation factors (ARFs). ARFs, described as activators of cholera toxin (CT) ADP-ribosyltransferase activity, regulate intracellular vesicular membrane trafficking, and stimulate a phospholipase D (PLD) isoform. Although, ARL proteins were initially thought not to activate CT or PLD, later work showed that they are weak stimulators of PLD and CT in a phospholipid dependent manner. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. The encoded isoform (2) is shorter than 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>