

Product datasheet for SC305220

ARL14 (NM_025047) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL14 (NM_025047) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL14
Synonyms:	ARF7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305220 representing NM_025047. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGGTTTCGCTGGGTTCTAAAAATCCGCAAAACCAACAAGCCCAAGTTCTTCTTTGGGACTTGACTCA
 GCTGGGAAGTCTACTCTCCTTTATAAATTAAGCTTGCTAAGGATATTACCACCATCCCTACAATAGGT
 TTCAATGTGGAATGATCGAGTTGGAAGGAATCTTCACTCACAGTCTGGGATGTTGGAGGACAGGAA
 AAAATGAGAACTGTTGGGGCTGTTACTGTGAGAACACCGATGGGCTGGTGTATGTTGTGGACAGTACA
 GACAAACAGCGACTGGAAGAGTCTCAGAGACAGTTTGAGCACATTTGAAGAATGAACACATTAATAAT
 GTGCCTGTTGTTCTATTAGCCAACAAACAAGACATGCCTGGAGCTCTGACTGCTGAGGACATCACCAGA
 ATGTTCAAAGTGAAGAAGCTTTGCAGTGACCGGAAGTGGTATGTGCAACCCTGCTGTGCCCTCACAGGG
 GAGGGGCTGGCCAGGGGTTCAAGGAAATTAAGTGGATTGTGAAGAGCCCATGAAATCAAGAGGAGAC
 ACTTTGGCGTTCTTCAAGCAGAACTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_025047
Insert Size:	579 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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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_025047.2</u>
RefSeq Size:	1335 bp
RefSeq ORF:	579 bp
Locus ID:	80117
UniProt ID:	<u>Q8N4G2</u>
Cytogenetics:	3q25.33
MW:	21.6 kDa
Gene Summary:	GTPase that recruits MYO1E to MHC class II-containing vesicles via the effector protein ARL14EP and hence controls the movement of these vesicles along the actin cytoskeleton in dendritic cells.[UniProtKB/Swiss-Prot Function]