

Product datasheet for **SC100823**

C11ORF46 (ARL14EP) (NM_152316) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C11ORF46 (ARL14EP) (NM_152316) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL14EP
Synonyms:	ARF7EP; C11orf46; dj299F11.1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152316, the custom clone sequence may differ by one or more nucleotides

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ATGATGGATCCATGTTTCAGTTGGAGTCCAGCTTCGTAACAATGAGTGCCATAAAACCTACTATACTC
GTCACACAGGTTTTAAGACTTTGCAAGAATTGTCATCAAATGATATGCTTTTACTTCACTTAGAACTGG
AATGACACTTTCTGGGAACAATACAATTTGCTTTCATCATGTAAAAATTTACATTGACAGATTTGAGGAT
TTACAGAAGTCATGTTGTGACCCATTTAACATACACAAGAAATTAGCCAAAAAAATTTGCATGTAATTG
ACTTAGATGATGCCACTTTTCTGAGTGTAAATTTGGAAGACAGCTTGTACCTGGTTGGAAGCTTTGTCC
AAAATGCACACAGATAATCAATGGAAGTGTGGATGTTGATACTGAAGACCGCCAGAAAAGGAAACCTGAG
TCAGATGGAAGAAGTCTAAAGCTTTGAGGTCATTACAATTTACGAATCCAGGAAGGCAAACCTGAATTTG
CTCCAGAAACTGGTAAAAGAGAAAAAGAAGGCTTACAAAAATGCAACCGCTGGTTCAGACAGACAAGT
GATACCAGCAAAGAGTAAGGTCTATGATAGCCAGGGTCTCCTGATTTTTAGTGGGATGGACCTCTGTGAC
TGCCTGGATGAAGACTGCTTAGGATGTTTCTATGCTTGTCTGCTGTGGTTCTACCAAGTGTGGAGCTG
AATGCCGCTGTGACCGCAAGTGGCTGTATGAGCAAATTGAAATGAAGGAGGAGAAATAATTCATAATAA
ACATGCTGGATAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152316 unedited NGGGGGTTCAAAATTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGGTCGA GTGTGGCCTGTGTGGACTCGCATCTTGCCCGAAGCCGGGCGGAGGAGAGCTCAAGCTAAG GGTGATCAGCCCATGACCTAAACCTCCAGACAAAATAAACGGAAAATTTGCTAGAATCA AGAATGATGGATCCATGTTTCAGTTGGAGTCCAGCTTCGTAACAATGAGTGCCATAAA ACCTACTATACTCGTCACACAGGTTTTAAGACTTTGCAAGAATTGCATCAAATGATATG CTTTTACTTCAACTTAGAAGCTGGAATGACACTTTCTGGGAACAATACAATTTGCTTTCAT CATGTAAAAATTTACATTGACAGATTTGAGGATTTACAGAAGTCATGTTGTGACCCATTT AACATACACAAGAAATTAGCCAAAAAAATTTGCATGTAATTGACTTAGATGATGCCACT TTTCTGAGTGCTAAATTTGGAAGACAGCTTGACCTGGTTGGAAGCTTTGTCCAAAATGC ACACAGATAATCAATGGAAGTGTGGATGTTGATACTGAAGACCGCCAGAAAAGGAAACCT GAGTCAGATGGAAGAAGCTAAAGCTTTGAGGTCATTACAATTTACGAATCCAGGAAGG CAAACTGAATTTGCTCCAGAACTGGTAAAAGAGAAAAAAGAAGGCTTACAAAAATGCA ACCGCTGGTTCAGACAGACAAGTATACCAGCAAAGAGTAAGGTCTATGATAGNCCAGGT CTCCTGATTNTTAGTGGGATGGACCTCTGTGACTGCCTGGATGAAGACTGCTTNGATGT TTCTATGCTTGTCTGCCTGTGGTTCTACCAAGTGTNGAGCTGAATGCCGCTGTGACCGC AAAGTGGCTGTATGAGCAAATTTGAAATGAN
Restriction Sites:	NotI-NotI
ACCN:	NM_152316
Insert Size:	2750 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).
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_152316.1 , NP_689529.1
RefSeq Size:	1770 bp
RefSeq ORF:	783 bp
Locus ID:	120534
UniProt ID:	Q8N8R7
Cytogenetics:	11p14.1

Gene Summary:

The protein encoded by this gene is an effector protein. It interacts with ADP-ribosylation factor-like 14 [ARL14, also known as ADP-ribosylation factor 7 (ARF7)], beta-actin (ACTB) and actin-based motor protein myosin 1E (MYO1E). ARL14 is a small GTPase; it controls the export of major histocompatibility class II molecules by connecting to the actin network via this effector protein. [provided by RefSeq, Sep 2014]