

Product datasheet for SC303465

ART1 (NM_004314) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ART1 (NM_004314) Human Untagged Clone
Tag:	Tag Free
Symbol:	ART1
Synonyms:	ART2; ARTC1; CD296; RT6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<pre>>OriGene ORF sequence for NM_004314 edited ATGCAGATGCCTGCTATGATGTCTCTGCTTCTTGCTGTCTGTGGCCTCATGGAAGCACTT CAGGCCAGAGCCACCCCATCACACGACGAGACCTTCTCTCAAGAGATTCAGCTGGAC ATGGCCCTGGCCCTCTTTGATGACCAGTACGCTGGCTGTGCTGCTGCCATGACAGCTGCT CTCCCGGATCTCAACCACACGGAGTTCCAGGCCAACCAGGTGTATGCAGACAGCTGGACA CTGGCAAGCAGCCAATGGCAGGAGCGTCAGGCCAGGTGGCCAGAGTGGAGTCTCAGCCCC ACCCGTCATCCCCGCCACCCCTGGGCTTCCGCGATGAGCATGGGGTGGCCCTCCTGGCC TACACAGCCAACAGCCCCCTGCACAAGGAGTTCAATGCAGCCGTGCGTGAGGCGGGCCGC TCCCGGGCCCACTACCTCCACCCTTCTCCTTCAAGACTCCATTTCTGCTGACTGAG GCCCTGCAGCTCCTGGCAGCGGCCAGCGTCCACCCCGGTGCCACCAGGTGTTCCGAGGT GTGCACGGCTGCGCTTCCGGCCAGCAGGGCCCCGGCCACCCTGAGGCTGGGGGCTTT GCTTCTGCTCCCTGAAGCATGTTGCAGCCCAGCAGTTTGGTGAGGACACCTTCTTCGGC ATCTGGACCTGCCTTGGGCCCCCTATCAAGGGTACTCCTTCTCCCTGGAGAGGAAGAG GTGCTGATCCCCCCTTTGAGACCTTCCAAGTATCAATGCCAGCAGACTGGCCCAGGGC CCCGCCGCATCTACCTCCGAGCCCTGGGCAAGCACAGCACCTACAACGCGAGTACATC AAAGACAAGAAGTGCAAGTCTGGGCTTGCATCTGGATAATTACGCCATGGGTCAGAGC CCCCTCTGTCAGTCTGGTCTTTGCTGTGCTGCTGCTGTTTCTCGTGGTGGAGGGCCTTT CCAGATGGTCCAGGCCTCCTTTGA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_004314
Insert Size:	1200 bp



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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).
OTI Annotation:	There is 1 nucleotide difference between the OriGene clone and the NCBI reference ORF of NM_004314.1 at 769bp, changing the protein from Pro-->Leu. OriGene considers this to be a polymorphism and to reflect the natural differences between individuals.
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:	<u>NM_004314.1</u> , <u>NP_004305.1</u>
RefSeq Size:	1334 bp
RefSeq ORF:	984 bp
Locus ID:	417
UniProt ID:	<u>P52961</u>
Cytogenetics:	11p15.4
Gene Summary:	ADP-ribosyltransferase catalyzes the ADP-ribosylation of arginine residues in proteins. Mono-ADP-ribosylation is a posttranslational modification of proteins that is interfered with by a variety of bacterial toxins including cholera, pertussis, and heat-labile enterotoxins of E. coli. The amino acid sequence consists of predominantly hydrophobic N- and C-terminal regions, which is characteristic of glycosylphosphatidylinositol (GPI)-anchored proteins. This gene was previously designated ART2. [provided by RefSeq, Jul 2008]