

Product datasheet for **SC112617**

ART4 (NM_021071) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ART4 (NM_021071) Human Untagged Clone
Tag:	Tag Free
Symbol:	ART4
Synonyms:	ARTC4; CD297; DO; DO/ART4; DOK1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021071, the custom clone sequence may differ by one or more nucleotides

ATGGGTCCATTGATCAACAGATGCAAGAAGATTCTTCTCCCACTACTGTACCTCCTGCAACGATGAGAA
TCTGGCTCCTTGGAGGCCTGCTGCCATTCTGCTGCTCCTCTCTGGCCTGCAGAGACCCACAGAGGGTTC
TGAGGTTGCAATTAATAATCGACTTCGACTTCGCACCAGGTTCTTTTGATGATCAGTACCAAGGCTGTAGC
AAACAGGTTATGGAGAACTAACTCAAGGGGATTATTTACAAAAGACATAGAAGCCCAGAAGAATTATT
TTAGGATGTGGCAAAAAGCCCACTTAGCCTGGCTTAACCAAGGAAAAGTTCTACCCAGAACATGACTAC
CACACACGCTGTGGCTATTTTGTATACATTGAACAGCAATGTTCTTCTGACTTTACTAGAGCCATG
GCCTCTGTTGCCAGGACTCCACAGCAGTATGAACGTTCTTCCACTTCAAATATTTACACTACTACCTCA
CCTCAGCAATCCAGCTGCTGAGGAAAGACAGCATCATGGAGAATGGCACTCTGTGCTATGAGGTGCATTA
TAGGACGAAGGATGTCCACTTAATGCCTACACAGGGGCCACCATTGATTTGGCCAATTCCTCTCCACA
TCCCTCCTGAAAGAAGAGGCACAGGAGTTTGGGAACCAGACACTATTTACCATATTCACCTGCCTGGGTG
CACCTGTACAGTACTTCTCCCTCAAGAAGGAAGTCTTGATCCCTCCCTATGAGCTGTTTAAAGTTATAAA
TATGAGCTACCACCAAGAGGAGACTGGTTGCAGTTGAGGTCAACTGGGAACCTGAGCACATATAACTGT
CAGCTGCTAAAAGCTTCCAGCAAGAAATGCATCCCTGATCCTATAGCTATTGCATCTCTCTCTTTTGA
CCAGTGTATCATCTTTTCCAAAAGCAGAGTATAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021071 unedited <pre> GAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGAAAGGGAAGG CTGAACTGCTGAGTCTGACACTTAACAGGACTTCGGCATTCCCCTGAATACAGACTAGAT CAGAGATTTTATTTTTTAATTGAAAAGTAACCTGGGTTCTCTTTAGAAACCCCTATTTG GTGTGCGCATCTGGCTATTTACAGAGATTTCACTTTTGCAAAGAAGTCGGAGTTGATTT CTTCCCTCAGACAAGCTATTGGTTGTTGGTGGGCAACAGAAGTTGCTCAGCATAGACAGG GGAAAAACGGTTACGGATGAGACTGAAAGAAAACCTCAAAGGAGAAGTCTGAGAATTCA TCTCAGGATGAAGCTGCAAGGGCAAAGGAGAAGTACTTGTGACACAAGCAAATGGGTCCA TTGATCAACAGATGCAAGAAGATTCTTCTCCCACTACTGTACCTCCTGCAACGATGAGA ATCTGGCTCCTTGGAGGCCTGCTGCCATTCTGCTGCTCCTCTCTGGCCTGCAGAGACCC ACAGAGGGTTCTGAGGTTGCAATTAATAATCGACTTCGACTTCGCACCAGGTTCTTTTGAT GATCAGTACCAAGGCTGTAGCAAACAGGTTATGGAGAACTAACTCAAGGGGATTATTTTC ACANAAGACATAGAAGCCCAGAAGAATTATTTTATGATGTGGCANANAGCCCACTTAGCC TGGCTTAACCAAAGAAAAGNTCTACCCCAAGACATGACTACCACACACGCTGTGGCTATT NTGTTTATACATTGACAGCATGTTCACTTCTGACTTACTAGACCATGGCCTCTGTGCCAGA CTCACAGAGTATGACGTCACTTCAATATTACCTACTCCTCACTACAATCCACGCT GAGGAGACACTCTGGAATGGCCTTGGCTTGAGGCTNTAGACAAGAGTCCTTATG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_021071
Insert Size:	3000 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:	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_021071.2</u> , <u>NP_066549.2</u>
RefSeq Size:	1386 bp
RefSeq ORF:	945 bp
Locus ID:	420
UniProt ID:	<u>Q93070</u>
Cytogenetics:	12p12.3
Domains:	ART

Gene Summary:

This gene encodes a protein that contains a mono-ADP-ribosylation (ART) motif. It is a member of the ADP-ribosyltransferase gene family but enzymatic activity has not been demonstrated experimentally. Antigens of the Dombrock blood group system are located on the gene product, which is glycosylphosphatidylinositol-anchored to the erythrocyte membrane. Allelic variants, some of which lead to adverse transfusion reactions, are known. [provided by RefSeq, Jul 2008]