

Product datasheet for **RG205011**

ART3 (NM_001179) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ART3 (NM_001179) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ART3
Synonyms:	ARTC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205011 representing NM_001179 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGACGGGACATTTTGAATAGTCACCATGCTGCTGGCAACCATGATTCTAGTGGACATTTCCAGG
TGAAGGCTGAAGTGTAGACATGGCAGATAATGCATTTGATGATGAATACCTGAAATGTACGGACAGGAT
GGAAATTAATACGTTCCCAACTGCTAAAGGAGGAAAAAGCAAGCCACCAGCAATTAGATACTGTGTGG
GAAAATGCAAAAGCCAAATGGGCAGCCGAAAGACTCAAATCTTCTCCCTATGAATTTAAGGATAACC
ATGGAATAGCCCTGATGGCATATATTTCCGAAGCTCAAGAGCAAACCTCCCTTTTACCATCTGTTCAGTGA
AGCTGTGAAGATGGCTGGCCAATCTCGAGAAGATTATATCTATGGCTTCCAGTTCAAAGCTTTCCACTTT
TACCTCACAAGAGCCCTGCAGTTGCTGAGAAAACCTTGTGAGGCCAGTTCAAAACCTGTGGTATATAGAA
CAAGCCAGGGCACTTCATTTACATTTGGAGGGCTAAACCAAGCCAGGTTTGGCCATTTTACCTTGGCATA
TTCAGCCAAACCTCAGGCTGCTAATGACCAGCTCACTGTGTTATCCATCTACACATGCCTTGGAGTTGAC
ATTGAAAATTTTCTTGATAAAGAAAGTGAAGAATTACTTTAATACCTCTGAATGAGGTTTTTCAAGTGT
CACAGGAGGGGGCTGGCAATAACCTTATCCTTCAAAGCATAAACAAGACCTGCAGCCATTATGAGTGTGC
ATTTCTAGGTGGACTAAAAACCGAAAACCTGTATTGAGAACCTAGAATATTTCAACCCATCTATGTCTAC
AACCCCTGGTGAGAAAAACCAGAAGCTTGAAGACCATAGTGAGAAAAACCTGGAAGCTTGAAGACCATGGTG
AGAAAAACCAGAAGCTTGAAGACCATGGTGTGAAAATCCTTGAACCCACCCAAATACCTGAAGATAAAAG
TCAAGGAAATATCAACAATCCTACTCCAGTCCAGTTCCTGTTCCAGGTCCCAAAAGCCATCCTTCTGCA
TCCTCGGGCAAACCTGCTGCTTCCACAGTTGGGATGGTCATCATTTTAAATCAGTGTCTTCTGCTATAAATC
TCTTTGTTGCTCTG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205011 representing NM_001179
Red=Cloning site Green=Tags(s)

MKTGHFEIVTMLLATMILVDIFQVKAEVLDMADNAFDDEYLKCTDRMEIKYVPQLLKEEKASHQQLDVTW
 ENAKAKWAARKTQIFLPMNFKDNHGIALMAYISEAQEQTPFYHLFSEAVKMAGQSREYIYGFQKAFHF
 YLTRALQLLRKPCASSKTVVYRTSQGTSFTFGGLNQARFGHFTLAYSAPQAANDQLTVLSIYTCLGVD
 IENFLDKESERITLIPLNEVFQVSQEGAGNNLILQSINKTCSHYECAFLGGLKTENCIENTLEFYFQPIYVY
 NPGKLNQKLEDHSEKNWKLLEDHGEKNQKLEDHGKILEPTQIPEDKDSQGNINNPTPGPVPVPGPKSHPSA
 SSGKLLLPQFGMVIIISVSAINLFVAL

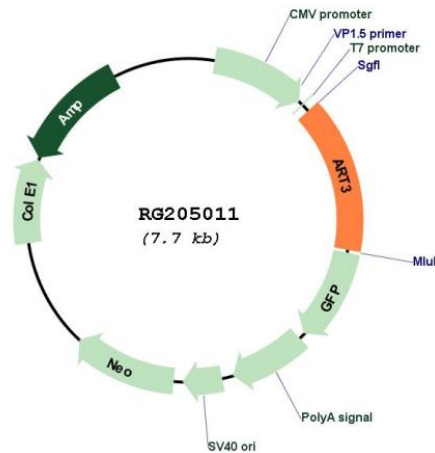
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001179

ORF Size:	1134 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001179.6
RefSeq Size:	1556 bp
RefSeq ORF:	1137 bp
Locus ID:	419
UniProt ID:	Q13508
Cytogenetics:	4p15.1-p14
Domains:	ART
Protein Families:	Transmembrane
Gene Summary:	This gene encodes an arginine-specific ADP-ribosyltransferase. The encoded protein catalyzes a reversible reaction which modifies proteins by the addition or removal of ADP-ribose to an arginine residue to regulate the function of the modified protein. An ADP-ribosyltransferase pseudogene is located on chromosome 11. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]