

## Product datasheet for **RG225558**

### ART3 (NM\_001130017) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ART3 (NM_001130017) 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:	>RG225558 representing NM_001130017 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGACGGGACATTTTGAATAGTCACCATGCTGCTGGCAACCATGATTCTAGTGACATTTTCCAGG  
TGAAGGCTGAAGTGTAGACATGGCAGATAATGCATTTGATGATGAATACCTGAAATGTACGGACAGGAT  
GGAAATTAATACGTTCCCAACTGCTAAAGGAGGAAAAAGCAAGCCACCAGCAATTAGATACTGTGTGG  
GAAAATGCAAAAGCCAAATGGGCAGCCGAAAGACTCAAATCTTCTCCCTATGAATTTTAAAGATAACC  
ATGGAATAGCCCTGATGGCATATATTTCCGAAGCTCAAGAGCAAACCTCCCTTTTACCATCTGTTCAGTGA  
AGCTGTGAAGATGGCTGGCCAATCTCGAGAAGATTATATCTATGGCTTCCAGTTCAAAGCTTTCCACTTT  
TACCTCACAAGAGCCCTGCAGTTGCTGAGAAAACCTTGTGAGGCCAGTTCAAAACCTGTGGTATATAGAA  
CAAGCCAGGGCACTTCATTTACATTTGGAGGGCTAAACCAAGCCAGGTTTGGCCATTTTACCTTGGCATA  
TTCAGCCAAACCTCAGGCTGCTAATGACCAGCTCACTGTGTTATCCATCTACACATGCCTTGGAGTTGAC  
ATTGAAAATTTTCTTGATAAAGAAAGTGAAGAATTACTTTAATACCTCTGAATGAGGTTTTTCAAGTGT  
CACAGGAGGGGGCTGGCAATAACCTTATCCTTCAAAGCATAAACAAGACCTGCAGCCATTATGAGTGTGC  
ATTTCTAGGTGGACTAAAAACCGAAAACCTGTATTGAGAACCTAGAATATTTTCAACCCATCTATGTCTAC  
AACCCCTGGTGAGAAAAACCGAAGCTTGAAGACCATAGTGAGAAAAACCTGGAAGCTTGAAGACCATGGTG  
AGAAAAACCGAAGCTTGAAGACCATGGTGTGAAAATCCTTGAACCCACCCAAATACCTGTCCAGGTCC  
AGTTCTGTTCCAGTCCCAAAAGCCATCCTTCTGCATCTCGGGCAAACCTGCTGCTTCCACAGTTTGGG  
ATGGTCATCATTTAATCAGTGTCTGCTATAAATCTCTTTGTTGCTCTG

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225558 representing NM\_001130017  
Red=Cloning site Green=Tags(s)

MKTGHFEIVTMLLATMILVDIFQVKAEVLDMADNAFDDEYLKCTDRMEIKYVPQLLKEEKASHQQLDVTW  
 ENAKAKWAARKTQIFLPMNFKDNHGIALMAYISEAQEQTPFYHLFSEAVKMAGQSREDYIYGFQKAFHF  
 YLTRALQLLRKPCASSKTVVYRTSQGTSFTFGGLNQRARFGHFTLAYSAPQAANDQLTVLSIYTCLGVD  
 IENFLDKESERITLIPLNEVFQVSQEGAGNNLILQSINKTCSHYECAFLGGLKTENCIENTLEYFQPIYVY  
 NPGKLNQKLEDHSEKNWKLLEDHGKLNQKLEDHGKILEPTQIPAPGPVVPVPGKSHPSASSGKLLLPQFG  
 MVIILISVSAINLFVAL

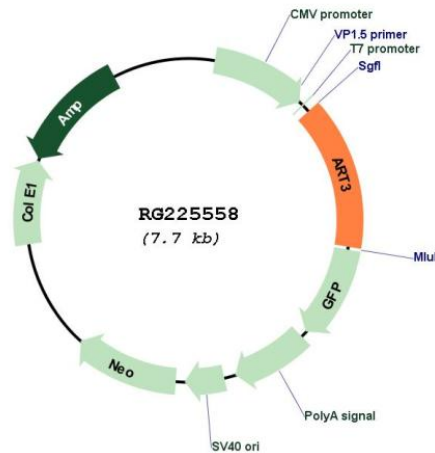
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001130017

<b>ORF Size:</b>	1101 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001130017.3</a>
<b>RefSeq Size:</b>	1559 bp
<b>RefSeq ORF:</b>	1104 bp
<b>Locus ID:</b>	419
<b>UniProt ID:</b>	<a href="#">Q13508</a>
<b>Cytogenetics:</b>	4p15.1-p14
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]