

Product datasheet for **RG233661**

CT47A12 (NM_001242922) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CT47A12 (NM_001242922) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CT47A12
Synonyms:	CT47; CT47.12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233661 representing NM_001242922 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCCACAGGGGACCGACACCCGACCCAAGGGGACCAGGAGGCCCGGTAAGCCAGGAGGGAGCAC
AGGCCGAGGGCGCCGAGCTGGTAACCAGGAGGGCGCGACTCCGGCCCCGACAGCAGCGACGTGGTGCC
TGCGGCCGAGGTGGTCGGAGTCGCAGGGCCCGTGAAGGCCTCGGGGAGGAGGGTGAGCAGGCGGCA
GGCCTGGCCGAGTCCCCGGGGCGGGAGCGCCGAGGAGGACTCAGATATCGGGCCCGCAGCGAGGAAG
AGGAGGAGGAAGAGGGGAACGAGGCGGCCAACTTCGACTTGGCGGTGGTCGCCCGTCTACCCGGCGTC
GGCATTCACTTCGTGCTCCTGGACATGGTCCACTCCCTTCTCCACCGCCTCTCTACAACGACCACATC
CTCATAGAGAACCGTCAACTCAGCCGCTGATGGTGGGGCCACACGCTGCTGCGCGCAACCTCTGGGGCA
ACCTCCCCCGCTGCTGCTGCCCCAGAGGCTGGGTGCAGGGGCCGAGCCCGGGCGGGCAGGGCCCTGGG
CCTGATCCAGGAGGCCGATCGGTCCCAGAGCCTGCAGTGCCAGCTGACCTGGCCGAGATGGCCAGGGAG
CCCGGGAGGAGGCCGAGAGGAGAAGCTCTCAGAGGAGGCCACAGAGGAACCAGACGCAGAGGAACCGG
CCACAGAAGAACCGACCGCACAGGAGGCCACGGCCCCAGAGGAAGTCACTAAATCTCAGCCCCGAAAAGTG
GGATGAAGAGGCCCAAGATGCTGCAGGCCGAGGAAGAGAAAACAAGAAAAAGAGAAGGATGCGGAAAAC
AAGGTGAAGAACTCCAAGGGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233661 representing NM_001242922
Red=Cloning site Green=Tags(s)

MSATGDRHPTQGDQEPVVSQEGAQAEAAGAGNQEGGDSGPDSSDVVPAAEVVGAVGVEGLGEEEGEQAA
 GLAAVPRGGSAAEDSDIGPATEEEEEEGNEAANFDLAVVARRYPASGIHFVLLDMVHSLHRLSHNDHI
 LIENRQLSRLMVGPHAAARNLWGNLPPLLLPQRLGAGAAAARAGEGLGLIQEAASVPEPAVPADLAEMARE
 PAEEAAEEKLSEEATEEPDAEEPATEEPTAQEATAPEEVTKSQPEKWDEEAQDAAGEEKEQEKEKDAEN
 KVKNSKGT

TRTRPLE - GFP Tag - V

Restriction Sites:

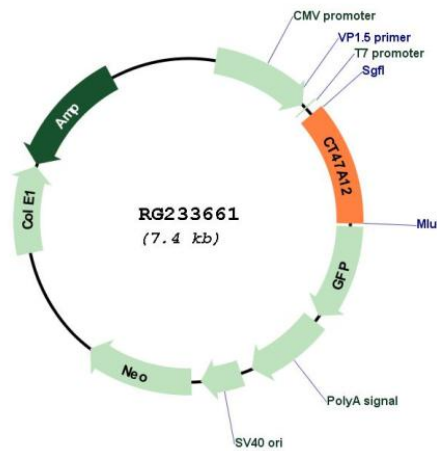
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001242922

ORF Size: 864 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_001242922.1 , NP_001229851.1
RefSeq Size:	1294 bp
RefSeq ORF:	867 bp
Locus ID:	100507170
UniProt ID:	Q5JQC4
Cytogenetics:	Xq24