

Product datasheet for **RG223845**

CT47A6 (NM_001080141) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CT47A6
Synonyms:	CT47.6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG223845 representing NM_001080141
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTGCCACAGGGGACCGACACCCGACCCAAGGGGACCAGGAGGCCCGGTAAAGCCAGGAGGGAGCAC
AGGCCGAGGCGGCCGAGCTGGTAACAGGAGGGCGCGACTCCGGCCCCGACAGCAGCGAGTGGTGCC
TGCGGCCGAGGTGGTCGAGTCGCAGGGCCCGTGAAGGCTCGGGGAGGAGGAGGTGAGCAGGCGGCA
GGCCTGGCCGAGTCCCCGGGGCGGGAGCGCCGAGGAGGACTCAGATATCGGGCCCCGACGGAGGAAG
AGGAGGAGGAAGAGGGGAACGAGGCGGCCAACTTCGACTTGGCGGTGGTCGCCGTCGCTACCCGGCGTC
GGGCATTCACTTCGTGCTCCTGGACATGGTCCACTCCCTTCTCCACCGCCTCTCTACAACGACCACATC
CTCATAGAGAACCCTCACTCAGCCGCTGATGGTGGGGCCACACGCTGCTGCGCGCAACCTCTGGGGCA
ACCTCCCCCGCTGCTGCTGCCCCAGAGGCTGGGTGCAGGGGCCGAGCCCGGGCGGGCGAGGGCTGGG
CCTGATCCAGGAGGCCGATCGGTCCAGAGCCTGCAGTGCCAGCTGACCTGGCCGAGATGGCCAGGGAG
CCCGCGGAGGAGGCCGAGAGGAGAAGCTCTCAGAGGAGGCCACAGAGGAACGACGACGAGGAACAG
CCACAGAAGAACCACGACAGGAGGCCACGGCCCCAGAGGAAGTCACTAAATCTCAGCCCCGAAAGTG
GGATGAAGAGGCCAAGATGCTCAGGCGAGGAAGAGAAGAACAAGAAAAAGAGAAGGATGCAGAAAAC
AAGGTGAAGAACTCCAAAGGGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



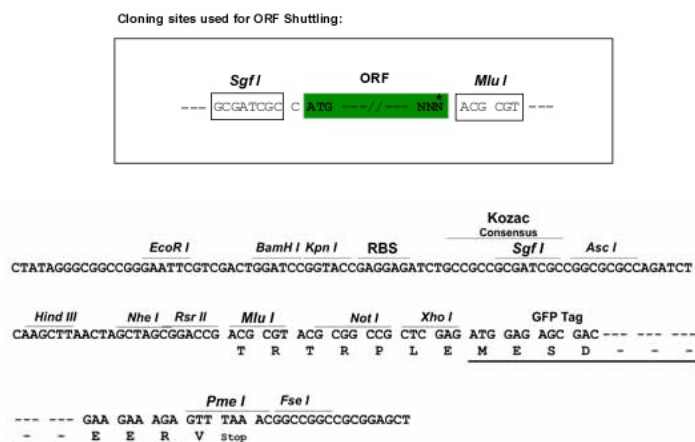
Protein Sequence: >RG223845 representing NM_001080141
 Red=Cloning site Green=Tags(s)

MSATGDRHPTQGDQEPVPSQGEQAQEAAGAGNQEGGDSGPDSSDVVPAEEVVGAGVPEGLGEEEEGEQAA
GLAAVPRGGSAAEDSDIGPATEEEEEEEGNEAANFDLAVVARRYPASGIHFVLLDMVHSLHLRLSHNDHI
LIENQLSRLMYVGPAAAARNLWGNLPPLLPQLRGAGAAAARAGEGLGLTQEAASVPEPAPVADLAEMARE
PAEEAAEKLSEEAATEPDAEEPATEPTAQEATAPEEVTKSQPEKWDEEAQDAAGEEKEQEKEKDAEN
KVKNSKGL

TRTRPLE - GFP Tag - V

Restriction Sites: SqaI-MluI

Cloning Scheme:



ACCN: NM_001080141

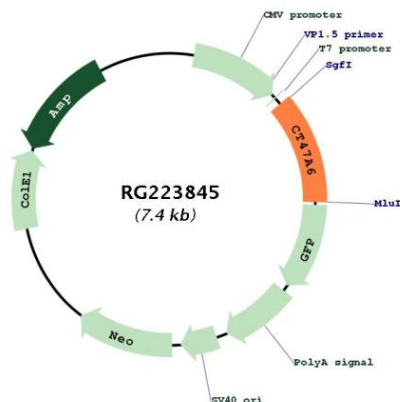
ORF Size: 864 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001080141.1</u> , <u>NP_001073610.1</u>
RefSeq Size:	1294 bp
RefSeq ORF:	867 bp
Locus ID:	728062
UniProt ID:	<u>Q5JQC4</u>
Cytogenetics:	Xq24
Gene Summary:	This locus represents a member of the cancer/testis gene family 47. This family, also known as CT47, is comprised of 13 nearly identical loci clustered at Xq24. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RG223845