

Product datasheet for **RG218790**

CT47A7 (NM_001080140) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CT47A7 (NM_001080140) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CT47A7
Synonyms:	CT47.7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218790 representing NM_001080140 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTGCCACAGGGGACCGACACCCGACCCAAGGGGACCAGGAGGCCCGGTAAGCCAGGAGGGAGCAC
 AGGCCGAGGCGGCCGAGCTGGTAACCAGGAGGGCGCGACTCCGGCCCCGACAGCAGCGACGTGGTGCC
 TCGGGCCGAGGTGGTCGGAGTCGCAGGGCCCGTGAAGGCCTCGGGGAGGAGGAGGTGAGCAGGCGGCA
 GGCCTGGCCGAGTCCCCGGGGCGGGAGCGCCGAGGAGGACTCAGATATCGGGCCCGCAGCGAGGAAG
 AGGAGGAGGAAGAGGGGAACGAGGCGGCCAACTTCGACTTGGCGGTGGTCGCCCCTCGCTACCCGGCGTC
 GGGCATTCACTTCGTGCTCCTGGACATGGTCCACTCCCTTCTCCACCGCCTCTCTACAACGACCACATC
 CTCATAGAGAACCGTCAACTCAGCCGCCTGATGGTGGGGCCACACGCTGCTGCGCGCAACCTCTGGGGCA
 ACCTCCCCCGCTGCTGCTGCCCCAGAGGCTGGGTGCAGGGGCCGAGCCCGGGCGGGCGAGGGCCTGGG
 CCTGATCCAGGAGGCCGATCGGTCCCAGAGCCTGCAGTGCCAGCTGACCTGGCCGAGATGGCCAGGGAG
 CCCGCGGAGGAGGCCGAGAGGAGAAGCTCTCAGAGGAGGCCACAGAGGAACGAGCGCAGAGGAACCGG
 CCACAGAAGAACCGACCGCACAGGAGGCCACGGCCCCAGAGGAAGTCACTAAATCTCAGCCCCGAAAGTG
 GGATGAAGAGGCCCAAGATGCTGCAGGCGAGGAAGAGAAAAGAACAAAGAAAAGAGAAGGATGCGGAAAAC
 AAGGTGAAGAACTCCAAGGGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG218790 representing NM_001080140
 Red=Cloning site Green=Tags(s)

MSATGDRHPTQGDQEPVSQEGAQAEAAGAGNQEGGDSGPDSSDVVPAAEVVGAVGPVEGLGEEEGEQAA
 GLAAVPRGGSAAEDSDIGPATEEEEEEGNEAANFDLAVVARRYPASGIHFVLLDMVHSLHRLSHNDHI
 LIENRQLSRLMVGPHAAARNLWGNLPPLLLPQRLGAGAAARAGEGLGLIQEAASVPEPAVPADLAEMARE
 PAEEAAEEKLSEEATEEPDAEEPATEEPTAQEATAPEEVTKSQPEKWDEEAQDAAGEEEEKQEKEKDAEN
 KVKNSKGT

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080140

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:

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_001080140.1](#), [NP_001073609.1](#)

RefSeq Size: 1294 bp

RefSeq ORF: 867 bp

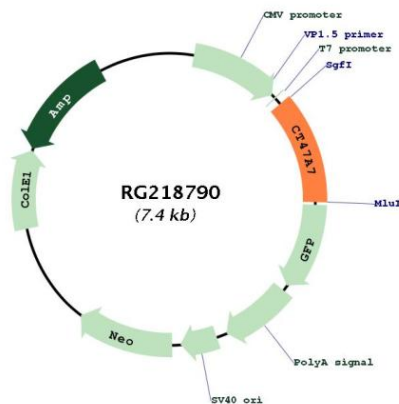
Locus ID: 653282

UniProt ID: [Q5JQC4](#)

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 RG218790