

Product datasheet for **RC233661**

CT47A12 (NM_001242922) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CT47A12
Synonyms:	CT47; CT47.12
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC233661 representing NM_001242922
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCTGCCACAGGGGACCGACACCCGACCCAAGGGGACCAGGAGGCCCGGTAAAGCCAGGAGGGAGCAC
AGGCCGAGGCGGCCGGAGCTGGTAACCAAGGAGGCGCGACTCCGGCCCCGACAGCAGCGAGTGGTGCC
TGCGGCCGAGGTGGTCGGAGTCGCAGGGCCCGTGAAGGCCTCGGGGAGGAGGGGTGAGCAGGCGGCA
GGCCTGGCCGAGTCCCCGGGGCGGGAGCGCCGAGGAGGACTCAGATATCGGGCCCCGACGGAGGAAG
AGGAGGAGGAAGAGGGGAACGAGGCGGCCAACTTCGACTTGGCGGTGGTCGCCCGTCGCTACCCGGCGTC
GGGCATTCACTTCGTGCTCCTGGACATGGTCCACTCCCTTCTCCACCGCCTCTCTACAACGACCACATC
CTCATAGAGAACCCTCACTCAGCCGCTGATGGTGGGGCCACACGCTGCTGCGCGCAACCCCTGGGGCA
ACCTCCCCCGCTGCTGCTGCCCCAGAGGCTGGGTGCAGGGCCGACGCCGGGCGGGCGAGGGCTGGG
CCTGATCCAGGAGGCCGATCGGTCCAGAGCCTGCAGTGCCAGCTGACCTGGCCGAGATGGCCAGGGAG
CCCGCGGAGGAGGCCGAGAGGAGAAGCTCTCAGAGGAGGCCACAGAGGAACGACGACGAGGAACCGG
CCACAGAAGAACCACGACAGGAGGCCACGGCCCCAGAGGAAGTCAATAATCTCAGCCCCGAAAGTG
GGATGAAGAGGCCAAGATGCTCAGGCGAGGAAGAGAAGAACAAGAAAAAGAGAAGGATCGGAAAAAC
AAGGTGAAGAACTCCAAGGGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC233661 representing NM_001242922

Red=Cloning site Green=Tags(s)

MSATGDRHPTQGDQEPVSQEGAQAEAAAGAGNQEGDSDSDVVPAAEVVGVAGPVEGLGEEEGEQAA
GLAAVPRGSAEEDSDIGPATEEEEEEGNEANFDLAVVARRYPASGIHFVLLDMVHSLHRLSHNDHI
LIENRQLSRLMVGPHAAARNPWGNLPPLLPQRLGAGAAARAGEGLGLIQEAASVPEPAVPADLAEMARE
PAEEAAEEKLSEEATEEPDAEEPATEEPTAQEATAPEEVTKSQPEKWDEEAQDAAGEEKEQEKEKDAEN
KVKNSKGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

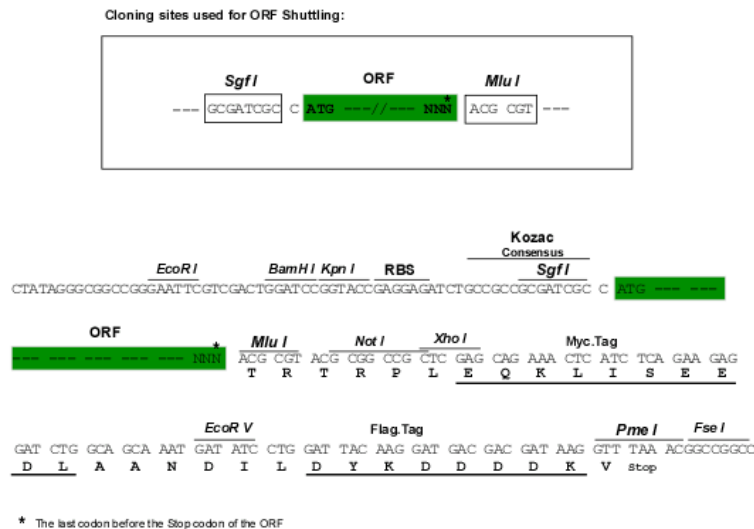
Chromatograms:

https://cdn.origene.com/chromatograms/ja1474_h12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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:

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: [NM_001242922.1](#), [NP_001229851.1](#)

RefSeq Size: 1294 bp

RefSeq ORF: 867 bp

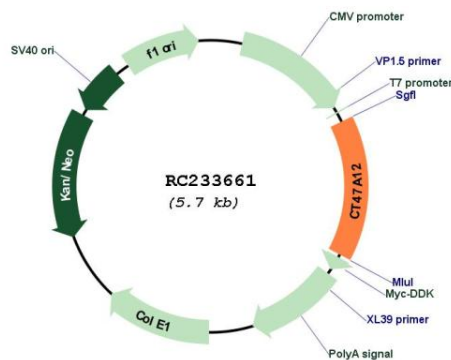
Locus ID: 100507170

UniProt ID: [Q5JQC4](#)

Cytogenetics: Xq24

MW: 30.1 kDa

Product images:



Circular map for RC233661