

Product datasheet for RC218790

CT47A7 (NM_001080140) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CT47A7 (NM_001080140) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CT47A7
Synonyms:	CT47.7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218790 representing NM_001080140 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCCACAGGGGACCGACACCCGACCCAAGGGGACCAGGAGGCCCGGTAAGCCAGGAGGGAGCAC
AGGCCGAGGGCGCCGAGCTGGTAACCAGGAGGGCGCGACTCCGGCCCCGACAGCAGCGACGTGGTGCC
TGCGGCCGAGGTGGTCGGAGTCGCAGGGCCCGTGAAGGCCTCGGGGAGGAGGGTGAGCAGGCGGCA
GGCCTGGCCGAGTCCCCGGGGCGGGAGCGCCGAGGAGGACTCAGATATCGGGCCCGCAGCGAGGAAG
AGGAGGAGGAAGAGGGGAACGAGGCGGCCAACTTCGACTTGGCGGTGGTCGCCCGTCTACCCGGCGTC
GGCATTCACTTCGTGCTCCTGGACATGGTCCACTCCCTTCTCCACCGCCTCTCTACAACGACCACATC
CTCATAGAGAACCGTCAACTCAGCCGCTGATGGTGGGGCCACACGCTGCTGCGCGCAACCTCTGGGGCA
ACCTCCCCCGCTGCTGCTGCCCCAGAGGCTGGGTGCAGGGGCCGAGCCCGGGCGGGCAGGGCCCTGGG
CCTGATCCAGGAGGCCGATCGGTCCCAGAGCCTGCAGTGCCAGCTGACCTGGCCGAGATGGCCAGGGAG
CCCGGGGAGGAGGCCGAGAGGAGAAGCTCTCAGAGGAGGCCACAGAGGAACAGACGCAGAGGAACCGG
CCACAGAAGAACCAGCCGACAGGAGGCCACGGCCCCAGAGGAAGTCACTAAATCTCAGCCCCAAAAGTG
GGATGAAGAGGCCCAAGATGCTGCAGGCCGAGGAAGAGAAAACAAGAAAAAGAGAAGGATGCGGAAAAC
AAGGTGAAGAACTCCAAGGGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

Protein Sequence: >RC218790 representing NM_001080140
Red=Cloning site Green=Tags(s)

MSATGDRHPTQGDQEAPVSQEGAQAEAAGAGNQEGGSDSGPDSSDVVPAAEVVGAVGPEVGLGEEEGEQAA
 GLAAVPRGGSAEEDSDIGPATEEEEEEGNEAANFDLAVVARRYPASGIHFVLLDMVHSLHLRLSHNDHI
 LIENRQLSRLMVGPHAAAARNLWGNLPLLLLPQRLGAGAAAARAGEGLGLIQEAASVPEPAVPADLAEMARE
 PAEEAAEEKLSEEATEEPDAEEPATEEPTAQEATAPEEVTKSQPEKWDEEAQDAAGEEEKEQEKEKDAEN
 KVKNSKGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1516_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

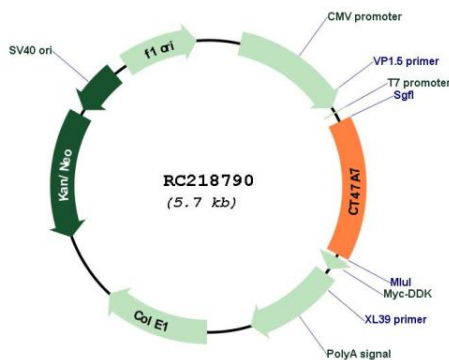
UniProt ID: [Q5JQC4](#)

Cytogenetics: Xq24

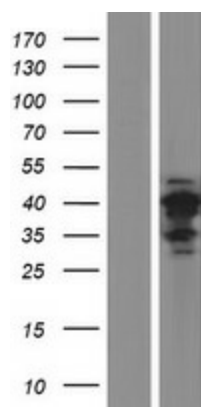
MW: 29.9 kDa

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 RC218790



Western blot validation of overexpression lysate (Cat# [LY421596]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218790 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).