

Product datasheet for **RC227914**

CT47B1 (NM_001145718) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CT47B1 (NM_001145718) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CT47B1
Synonyms: CT47.13; CT47A13
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC227914 representing NM_001145718
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCCACAGGGGACCGACACCCGACCCAAGGGGACCAGGAGGCCCGGTAAGCCAGGAGGGAGCAC
AGGCCGAGGGCGCCGAGCTGGTAACCAGGAGGGCGGCGACTCCGGCCCCGACAGCAGCGACATGGTGCC
TGCGGCCGAGGTGGTCGGAGTCGCAGGGCCCGTGAAGGCCTCGGGGAGGAGGGGTGAGCAGGCGGCA
GGCCTGGCCGAGTCCCCAGGGCGGGAGCGCCGAGGAGGACTCAGATATCGGGCCCGCAGCGAGGAAG
AGGAGGAGGAGGAAGAGGGGAACGAGGCGCCAATTCGACTTGGCGGTGCCACCCGTCGGTACCCGGC
GGCGGGCATTGGCTTCGTGTTCCGTACCTGGTCCACTCCCTTCCGCCGCTCTATCACAAACGACCAC
ATCCAGATAGCGAACCGTCACCTCAGCCGCTGATGGTGGGGCCCCACGCTGCTGTGCCAACCTCTGGG
ACAACCCTCCCCTGCTGCTGCTGTCCCAGAGGCTGGGTGCAGGGGCTGCAGCCCCAGAAGGCGAGGGCCT
CGGCCTGATCCAGGAGGCTGCGTCGGTCCAGGAGGCCGCGTGGTCCCAGAGCCTGCAGTGCCAGCTGAC
CTGGCCGAGATGGCCAGGGAGCCCGGGAGGAGGCCGAGATGAGAAACCCAGAGGAGGCCGAGAGG
AGAAGCTCACAGAGGAGGCCACAGAGGAACCGCCGAGAGGAACCGACCTCAGAGGAGGCCGTCGCCCC
CGAGGAAGTCACTAAATCTCAGCCCAGAAAGTGGGATGAAGAGGCCCAAGATGCTGCAGGCGAGGAAGAG
AAAGAACAAGAAAAGAGAAGGATGTGAAAACAAGGTGAAGAACTCAAAGGGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC227914 representing NM_001145718
Red=Cloning site Green=Tags(s)

MSATGDRHPTQGDQEAPVSQEGAQAEAAGAGNQEGGDSGPDSSDMVPAAEVVGAVGPVEGLGEEEGEQAA
 GLAAVPQGGSAEEDSDIGPATEEEEEEEEGNEANFDLAVATRRYPAAAGIGFVFLYLVSLLRRLYHNDH
 IQIANRHL SRLMVGPHAAV PNLWDNP LLLL SQRLGAGAAPEGEGLGLIQEAASVQEAASVPEPAVPAD
 LAEMAREPAEEAADEKPPPEAAEEKL TEEATEEPAAEEPTSEEAVAPEEVTKSQPEKWDEEAQDAAGEEE
 KEQEKEKDVENKVKNSKGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8037_c04.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_001145718

ORF Size: 897 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_001145718.1](#), [NP_001139190.1](#)

RefSeq ORF: 900 bp

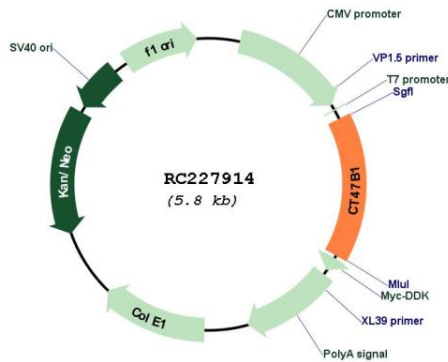
Locus ID: 643311

UniProt ID: [P0C2W7](#)

Cytogenetics: Xq24

MW: 31.1 kDa

Product images:



Circular map for RC227914