

Product datasheet for **MR214876**

Cyp2c65 (NM_028191) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Cyp2c65
Synonyms:	2210009K14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR214876 representing NM_028191
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTCTAGGTGTGTTTCTGGGGCTTCTCTCACATGTCTGCTTCTTCTTCACTATGGAGGCAGAATT
 CTCAGAGAAGAAACCTTCTCTCGGCCACACCTCTCCCATCATTGGAAATATTCTTCAGCTAGATCT
 TAAGGACATCAGCAATCTCTGAGGAATTTTCAAAAGTCTATGGCCCTGTGTTCACTCTGTACTTGGGC
 AGGAATCCTGCTGTGGTGTACATGGATATGAAGCTGTGAAAGAAGCCTTACTGATCATGGGGAGGAGT
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 GAGGACCTGGAAAGAGATGAGACGCTTCTCACTCATGACTCTGCGAACTTTGGGATGGGGAGGAGGAGC
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 GTGATCCACCTTCATCCTCGGCTGTGCTCCTTGCAATGTCATCTGCTCCATTGTTTCCAGAATCGTTT
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 AAAAGTGACTACTTTTTCTTCTCAACAGGAAAACGGATTTGTGTGGGAGAGGGTCTGGCTCGAGCAG
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 TGATACTACTCCAGTTGCCAATGGATTGCTTCTGTGCCACCAAGTCCAGATATGCTTCATCCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214876 representing NM_028191
 Red=Cloning site Green=Tags(s)

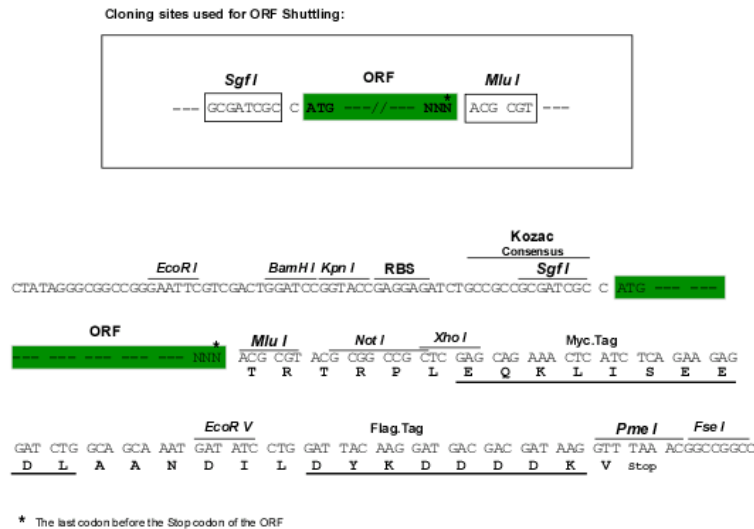
MVLGVFLGILLTCLLLSLWRQNSQRRNLPGPPTLPIIGNILQLDLKDISLRNFSKVYGPVFTLYLG
 RNPVVLHGYEAVKEAFDTHGEFAGRGVFPVFDKFKKNCGVVSSGRWKEMRRLMTLRNFGMGRRS
 IEDRIQEEARCLVDELRTKGEPCDPTFILGCAPCNVICSIQNRFDYKDQFLTFDLILNENVEILSS
 PWIQCINNFPVIDYLPGRHRKLHKNFAFAEHYFLSKVKQHQSLEIDINNPRDFIDCFLIKMEQEKHNPKT
 EFTCENLVFTASDLFAAGTETSTTLRYSLLLKYPEVTAKVQEEIDCVIGRHRSPCMQDRHSMPYTD
 VLHEIQRYIDLPTSLPHAVTRDVKFREYLIPKGTTVIASLTSVLVDDKEFPNPEKFDPSHFLDERGKFK
 KSDYFFPFSTGKRICVGEGLARAELFLFTTILQNFNLKSPVDLKDLDTPVANGFASVPPKFQICFIPI

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9016_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028191

ORF Size: 1470 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: NM_028191.2, NP_082467.2

RefSeq Size: 1941 bp

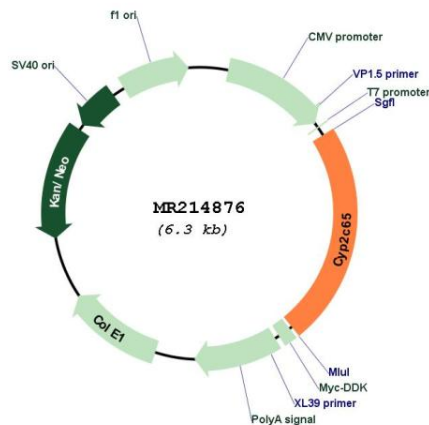
RefSeq ORF: 1473 bp

Locus ID: 72303

Cytogenetics: 19 C3

MW: 56.7 kDa

Product images:



Circular map for MR214876