

Product datasheet for **RR205496**

C2cd5 (NM_001134581) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2cd5 (NM_001134581) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C2cd5
Synonyms:	RGD1304592
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205496 representing NM_001134581 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCCGGGAAGCTGAAGGTGAAAATCGTGCCGGTCGCCATTTGCCGGTGATGGACCGTGCCAGTGATC
 TGACGGACGCCTTCGTGGAGGTAAAGTTTGTAATACAACCTTTAAGACTGATGTGTACCTCAAGTCACT
 CAATCCTCAGTGGAACTCGGAGTGGTTTAAATTTGAGGTGGATGATGAGGACTTACAGGACGAACCTCTG
 CAGATCACGGTGCTTGACCACGATACGTACAGTGCAAACGATGCTATCGCAAGGTGTACATTGACATCG
 ACCCTTTACTGTATAGTGAAGCTGCCACAGTCATCTCAGGGTGGTTCCTCAATTTATGACACCATACATGG
 TATCCGCGGAGAAATCAATGTTGTTGTCAAAGTAGACCTCTTCAATGATTAAACAGATTAGACAGTCA
 TCATGTGGAGTTAAATCTTTTGCAACAATCTATTCCAAAGTGCTACAGAGCTGTGGTAATCCATGGAT
 TTGTAGAGGAACCTGTGGTCAATGAGGACCCTGAGTATCAATGGATTGATCGAATCCGTACACCCAGGGC
 ATCGAATGAAGCCAGGCAGAGGCTCATTTCTTAATGTCAGGTGAGCTACAGAGGAAGATCGGCCTGAAA
 GTCCTTGAGATGCGAGGCAATGCCGTTGTTGGCTACTTGCAAGTGCCTTCGACCTGGAGGGCGAGTCTGGGT
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 ATGCAATTCCTCATCAAAGAAATGAAGGAGATTCCCTTCAATGAAGATCCCAACCCCAATACTCACTCA
 TCAGGACCCTCAACCCCTCTGAAAAACCAAACTTATTCCTTTTACCTTCCAAGTCTACAGTCGGCAGT
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GCACAGGCAGAAGCCAACGCCACAGCTATCAGTAATCTCTTGCCGTTTATGGAATATGAAGTACACACCC
AGCTGATGAACAAGCTCAAACCTCAAAGGAATGAATGCTTTGTTTGGACTGAGAATTCAGATCACGGTGGG
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CACCGTGGGTGTTGTTAAGATGACGCCTCTTCTTTCATCCCTGGAGCAAAGATAACGAAGTACCTGGGC
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ACGCTTTCATTGCTGAAGTGTGCTATGGTCCGAGCTCACGTGGCCGCGCTGGGAGGGAATGCTGTTGT
CTCCTACATTATGAAGCAGTGTGCTTTCATGGAGAATCCCAGTAAGAACCAGGCGTCAGGCCCCCTTGGC
CGTGTGCGCCGCGTGCATGAGCTCTGTCTGCTGTCTCCACAGGCACAGTGTCTCATAAACGTCA
GTGGGGACGCAGTGGTTTTTGTTCGTGACTCTGACTTAGAAGTCACATCTCAGCAGCCTGCTGCCACCTG
CCAGCCATCGTCACTGGAGAAGTTACAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205496 representing NM_001134581

Red=Cloning site Green=Tags(s)

MPGKLVKIVAGRHLVMDRASDLTDAFVEVKFGNTTFKTDVYLKSLNPQWSEWFKFEVDDDLQDEPL
QITVLDHDTYSANDAIGKVYIDIDPLLYSEAATVISGWFIYDTIHGIRGEINVVKVDFNDLNRFRQS
SCGVKFFCTTSIPKCYRAVVIHGFVEELVNEDPEYQWIDRTPRASNEARQRLISLMSGELQRKIGLK
VLEMRGNAVVGYLQCFDLEGESGLVVRAIGTACTLDKLSSPAFLPACNSPSKEMKEIPFNEDPNPNTHS
SGPSTPLKNQYTSFSPSKYSRQSSSDTDLSTPKTGMGSGSAGKEGGPFKALLRQQTQSALEQREFPF
LTLTAFPPGLLVHVGGVVSARSVKLLDRIHNPDEPETRDAWAEIRQEI KSHAKALGCHAVVGYSESTSI
CEEVCILSASGTA AVLSPRFLQEGTVEGCLQRRQKVPDVLFTTIDLPTDAVVVGKGLIQARLCRLKKK
AQAEANATAISNLLPFMEYEVHTQLMNKLLKGMNALFGLRIQITVGENMLMGLASATGVYLAALPTPGG
IQIAGKTPNDGSYEQHISHMQKKINDTIAKNKELYEINPPEVCEEMIGSPIPEPRQRSRLRSQSESSDE
VTELDLSHGKKDAFVLEIDDDTAMEDVHSLTDPVPPSGFYSCNTEIMPGINNWTSEIQMFTSVRVVRLS
SLNLTNQALNKNFNGLCENLLKSLYFKLRSMTPCCLCHVNFTVSLPEDELIQVTVTAVASIFDKHQALQT
TKTLVEKSLQRASTDNEDGLQFPLELCSDSLPSHPFPAAKEHLESASSNSGIPAAQRATSVDYSSFADRC
SSWIELIKLKAQTIIRRSIKTTTVEKASAMGDANSRSRAPPASPTVGVMKMTPLSFIPGAKITKYL
GINMFFIRETTSLREEGVSGFLHAFIAEVFAMVRAHVAALGGNAVVSYIMKQCVFMENPSKNQASGPLG
RVRRVRASELCLLSPQAQCLINVSGDAVVFVRDSLEVT SQQPAATCQPSCTGEVTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001134581

ORF Size: 3111 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_001134581.1](#), [NP_001128053.1](#)

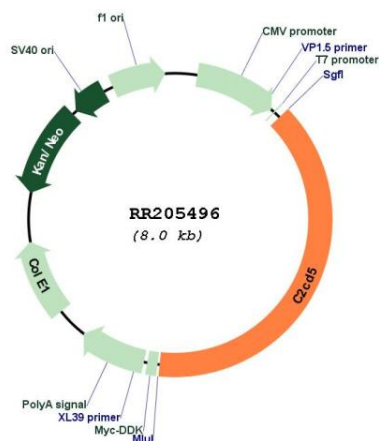
RefSeq Size: 4362 bp

RefSeq ORF: 3114 bp

Locus ID: 362461

Cytogenetics: 4q44
MW: 113.7 kDa

Product images:



Circular map for RR205496