

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
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR205496 representing NM_001134581
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGGGAAGCTGAAGGTGAAAATCGTGCCGGTCGCCATTTGCCGGTGATGGACCGTGCCAGTGATC
 TGACGGACGCCTTCGTGGAGTAAAGTTTGGTAATACAACCTTTAAGACTGATGTGTACCTCAAGTCACT
 CAATCCTCAGTGGAACTCGGAGTGGTTAAATTTGAGGTGGATGATGAGGACTTACAGGACGAACCTCTG
 CAGATCACGGTGTCTTACCACGATACGTACAGTGCAAACGATGCTATCGCAAGGTGTACATTGACATCG
 ACCCTTACTGTATAGTGAAGCTGCCACAGTCATCTCAGGGTGGTTCCCAATTTATGACACCATAATAGG
 TATCCGCGGAGAAATCAATGTTGTTGTCAAAGTAGACCTTTCAATGATTTAAACAGATTTAGACAGTCA
 TCATGTGGAGTTAAATCTTTTGACAACATCTATTCCAAAGTGCTACAGAGCTGTGTAATCCATGGAT
 TTGTAGAGGAAGTGTGGTCAATGAGGACCTGAGTATCAATGGATTGATCGAATCCGTACACCCAGGGC
 ATCGAATGAAGCCAGGCAGAGGCTCATTTCCTTAATGTCAGGTGAGCTACAGAGGAAGATCGGCCTGAAA
 GTCCTTGAGATGCGAGGCAATGCCGTTGTTGGCTACTTGCACTGCTTCGACCTGGAGGGCGAGTCTGGGT
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 CTCACCTTGACGGCCTTTCCCTTGACTTCTTGTGCAGTTGGCGGTGTTGTCAGTGCACGCTCTGTGA
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 GCCACAGATGCAGTGGTTGTTGAAAAAGGCTGTCTTATTCAGGCAAGGTTATGTCGGTTAAAAAGAAA
 GCACAGGCAGAAGCCAACGCCACAGCTATCAGTAATCTTTGCCGTTTATGGAATATGAAGTACACACC



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AGCTGATGAACAAGCTCAAACCTCAAAGGAATGAATGCTTTGTTTGGACTGAGAATTCAGATCACGGTGGG
 CGAGAACATGCTGATGGGCTTAGCGTCGGCCACAGGGGTCTACTTAGCAGCCTTACCAACGCCTGGTGGT
 ATCCAGATTGCTGGGAAGACCCCTAATGATGGCTCCTATGAGCAGCACATCTCCCATATGCAGAAGAAAA
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 GTGGGGACGCAGTGGTTTTTGTTCGTGACTCTGACTTAGAAGTCACATCTCAGCAGCCTGCTGCCACCTG
 CCAGCCATCGTGCCTGGAGAAGTTACAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205496 representing NM_001134581
 Red=Cloning site Green=Tags(s)

MPGKLVKIVAGRHLVMDRASDLTDAFVEVKFGNTTFKTDVYLKSLNPQWSEWFKFEVDEDLQDEPL
 QITVLDHDTYSANDAIGKVYIDIDPLL YSEAATVISGWFIYDTHGIRGEINVVVKVDFNDLNRFRQS
 SCGVKFFCTTSIPKCYRAVVIHGFVEELVVNEDPEYQWIDRIRTPRASNEARQRLISLMSGELQRKIGLK
 VLEMRGNAVVGYLQCFDLEGESGLVVRAIGTACTLDKLSSPAFLPACNSPSKEMKEIPFNEDPNPNTHS
 SGPSTPLKNQTYFSKSYSRQSSSDTDL SLTPKTMGSGSAGKEGGPFKALLRQQTQSALEQREFFP
 LTLTAFPPGLLVHVGVSARSVKLLDRIHNPDEPETRDAWAEIRQEI KSHAKALGCHAVVGYSESTSI
 CEEVCILSASGTA AVLSPRFLQEGTVEGCLQRRQKVPDVLFTTIDLPTDAVVVGKGLIQARLCRLKKK
 AQAEANATAISNLLPFMEYEVHTQLMNKLLKGMNLFGLRIQITVGENMLMGLASATGVYLAALPTPGG
 IQIAGKTPNDGSYEQHISHMQKINDTIAKNKELYEINPPEVCEEMIGSPIPEPRQRSRLRSQSESSDE
 VTELDLSHGKKDAFVLEIDDDTDAMEDVHSLLDVPPPSGFYSCNTEIMPGINNWTSEIQMFTSVRVVRLS
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 TKTLVEKSLQRASTDNEDGLQFPLELCSDSLPSHPFPAAKEHLESASSNSGIPAAQRATSDVYSSFADRC
 SSWIELIKLKAQTIIRRSIKTTVTVEKASAMGDANSRSRAPPASPTVGVVMTPLSFIPGAKITKYL
 IINMFFIRETTSLREEGVSGFLHAFIAEVFAMVRAHVAALGGNAVVSYIMKQCFMENPSKNQASGPLG
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

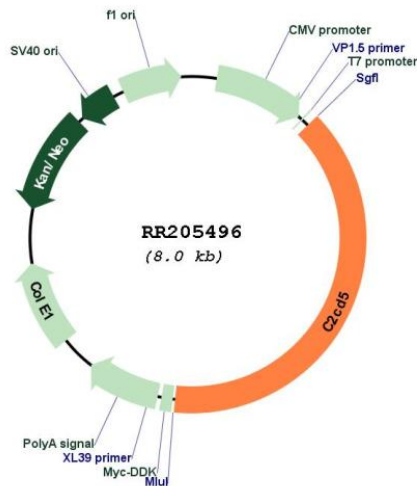
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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:	<u>NM_001134581.1</u> , <u>NP_001128053.1</u>
RefSeq Size:	4362 bp
RefSeq ORF:	3114 bp
Locus ID:	362461
Cytogenetics:	4q44
MW:	113.7 kDa