

Product datasheet for **RR207025**

Cds1 (NM_031242) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cds1 (NM_031242) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cds1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR207025 representing NM_031242
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGGAGCTGCGGCACCGGGGGCTGCCCGGCCCGGGGAGCGGGGACGCCACCCCGGAGG
 GAGAGGCGGCCGGCGGCCACCACGAAACCGAGAGCACCAGCGACAAGAAACAGATATTGATGACAGGTA
 TGGAGATCTCGATGCCAGAGGAGATTCCGATGTTCTGAGGTCCCACCATCCTCAGACAGGACCCCGAG
 ATTCTCAAGAAAGCCCTGTCTGGACTGTCATCAAGATGGAAGAACTGGTGGATTCTGGGATCCTCACCC
 TGACCATGATCTCCCTCTTCTTCTGATCATCTATATGGGGTCTTCATGCTGATGCTTCTGGTTCTGGG
 CATCCAGGTGAAGTGCTCCAGGAGATCATAACCATCGGGTACAGGGTCTACCACTCCTACGACCTCCCG
 TGGTTTAAAGACTAAGTTGGTACTTCTCCTATGTGTGAACTACTTCTCTATGGAGAGACAGTGGCAG
 ATTACTTCGCCAGTTTCGTTTCAGAGGGAGGAGCAGCTGCAGTTCCCTCATTTCGCTACCACAGGTTTCATATC
 CTTTCGCCCTCTACCTGGCAGTTTCTGCATGTTCTGTCCTGAGCTTGGTGAAGAAACTACCGACTACAG
 TTCTATATGTTCCGATGGACTCACGTCACTTTACTGATAACCGTCACTCAGTCACATCTTGTGCATCCAAA
 ATCTGTTTGAAGGCATGATATGGTTCTTGTCCCATATCAAGCGTCATCTGCAATGATATCACGGCTTA
 CCTTTTTGGATTTTTTTTTGGAAGAACTCCTTTAATTAAGCTGTCTCCTAAGAAGACCTGGGAAGGATTC
 ATTGGTGGTTTCTTCCACAGTCATATTTGGATTATTGCTGCCTATGTGTTGCCAAGTATCAGTACT
 TTGTGTGCCCGGTGGAGTACCGAAGCGACGTCACTCCTTCGTGACAGAAATGTGAGCCCTCAGAAGTGT
 CCAGCTTCAGAATTACTCCCTCCCTCCGTTCTACAGGCAGTGTGAGCCGGGAGACCGTGTGAGCTTGTAC
 CCCTTCCAGATACACAGCATTGCCCTTCAACATTTGCATCACTGATCGGCCATTTCGGAGGCTTCTTCG
 CCAGTGGATTCAAAGAGCTTTCAAATCAAGGACTTTGCAAACTATTCTGGGCATGGAGGGATAAT
 GGACAGGTTTCGATTGTCAGTATTTGATGGCGACGTTTCGTGCACGTGTACATCACCAGCTTCATCAGGGGT
 CCGAATCCAGCAAAGTCTCCAGCAGCTCCTAGTGTTCAGCCAGAGCAGCAGTTAAACATCTACAGAA
 CCTGAAGATACATCTCACGGAGAAAGGCATCCTGCAGCCACCTGGAAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207025 representing NM_031242
 Red=Cloning site Green=Tags(s)

MLELRHRGGCPGPGGAGTPPPREGAAGGDHETESTSDKETDIDDRYGDLDARGDSVPEVPPSSDRTP
 ILKKALSGLSSRWKNWWIRGILTLTMSLFFLIIMYGSFMLMLLVGIQVKCFQEITIGYRVYHSYDLP
 WFRTLWYFLLCVNYFFYGETVADYFATFVQREEQLQLIRYHRFISFALYLAGFCMFVLSLVKKHYRLQ
 FYMFAWTHVTLITVTQSHLVIQNLFEQMIWFLVPISSVICNDITAYLFGFFFGRTPLIKLSPKKTWEGF
 IGGFFSTVIFGFAAYVLSKYQYFVCPVEYRSDVNSFVTECEPSELFQLQNYSLPPFLQAVLSRETVSLY
 PFQIHSIALSTFASLIGPFGGFFASGFKRAFKIKDFANTIPGHGGIMDRFDCQYLMATFVHYIITSFIRG
 PNPSKVLQQLVLQPEQQLNIYRTLKIHLTEKILQPTWKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_031242

ORF Size: 1383 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_031242.2](#), [NP_112521.2](#)

RefSeq Size: 1972 bp

RefSeq ORF: 1386 bp

Locus ID: 81925

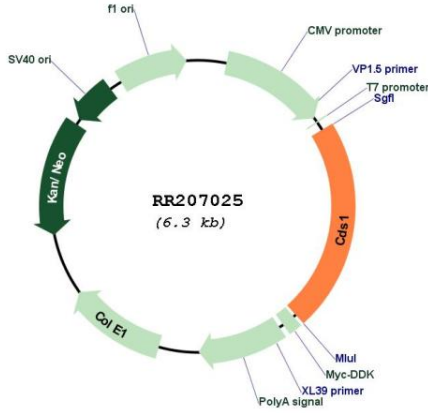
UniProt ID: [O35052](#)

Cytogenetics: 14p22

MW: 53 kDa

Gene Summary: human homolog catalyzes the conversion of phosphatidic acid to CDP-diacylglycerol [RGD, Feb 2006]

Product images:



Circular map for RR207025