

Product datasheet for **MR207365**

Cds1 (NM_173370) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cds1 (NM_173370) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cds1
Synonyms:	4833409J18Rik; AI314024; AW125888
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207365 representing NM_173370
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGGAGCTGCGGCACCGGGGGCTGCCCGGCCCTGGGGAGCGGGGGCGCCACCCCGGAGG
 GAGAGGCGGCCGGCGGTGACCACGAAACGAGAGCACCAGCGACAAGAAACAGATATTGATGACAGGTA
 TGGAGATCTCGATGCCAGAGCGATTCCGACGTGCTGAGGTCCCACCGTCTCAGACAGGACCCCGAG
 ATTCTCAAGAAAGCCCTGTCGGACTATCTTCAAGATGGAAGAACTGGTGGATTCGCGGGATCCTCACCC
 TCACCATGATCTCCCTCTTCTTCTGATTATCTATATGGGGTCTTCATGCTGATGCTTCTGTTCTGGG
 CATCCAAGTGAAGTGCTCCATGAGATCATCACCATCGGGTACCGGGTCTACCACTCCTACGACCTCCCA
 TGGTTTAGGACACTAAGTTGGTACTTCTCCTGTGTGTAAGTACTTCTTCTATGGAGAGACGGTGGCAG
 ATTACTTCGCCACGTTTGTTCAGAGGGAGGAGCAGCTGCAGTTCTCATTTCGCTACCACAGGTTTCATATC
 CTTGCGCCCTACCTGGCAGTTTCTGCATGTTTGTCTGAGCCTGGTGAAGAAGCACTACAGACTGCAG
 TTCTATATGTTCCGATGGACGCAGTCACTTTACTGATAACCGTCACTCAGTCACATCTTGTTCATCCAAA
 ATCTGTTTGAAGGCATGATATGGTTCTTGTCCCATATCAAGCGTCATCTGCAATGACATCACAGCTTA
 TCTTTTTGGATTTTTTTTTGGAAGAACTCCTCTAATTAAGCTGTCTCCTAAGAAGACTTGGGAAGGATTC
 ATTGGTGGTTTCTTCTCCACAGTCATATTTGGATTCATTGCTGCCTATGTGTTGTCCAAGTACCAGTACT
 TTGTGTGCCCGGTGGAATACCGAAGCGAGTCACTCCTTCGTGACAGAGTGTGAGCCCTCAGAAGTGT
 CCAGCTTCAGAATACTCCCTCCCTCCATTCTACAGGCAGTGTGAGCCGGGAGACTGTGAGCTTGAC
 CCCTTCCAGATACACAGCATTGCCCTTCAACGTTTCGCGTCACTGATTGGCCATTTGGAGGCTTCTTTG
 CCAGTGGATTCAAAGAGCTTTCAAATCAAGGATTTTCAACACGATTCTCGACATGGCGGGATAAT
 GGACAGGTTTACTGTGATTTGATGGCAACGTTTCGTGACAGTGTACATCACCAGCTTCATCAGGGGT
 CCGAATCCAGCAAAGTGTCCAGCAGCTGTTAGTGCTTCAACCAGAACAGCAGTTAAATATCTACAGAA
 CCTGAAGATTCTCACCGAGAAAGGGATCCTGCAGCCACCTTGAAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207365 representing NM_173370
 Red=Cloning site Green=Tags(s)

MLELRHRGGCPGGAGAPPPREGAAGGDHETESTSDKETDIDDRYGDLDARGDSVPEVPPSSDRTPE
 ILKKALSGLSSRWKNWIRGILTLTMSLFFLIYMGSFMLMLLVLGIQVKCFHEIITIGYRVYHSYDLP
 WFRTLWYFLLCVNYFFYGETVADYFATFVQREEQLQLIRYHRFISFALYLAGFCMFVLSLVKKHYRLQ
 FYMFAWTHVTLITVTQSHLVIQNLFEGMIWFLVPISSVICNDITAYLFGFFFGRTPLIKLSPKKTWEGF
 IGGFFSTVIFGIAAYVLSKYQYFVCPVEYRSDVNSFVTECEPSELFQLQNYSLPPFLQAVLSRETVSLY
 PFQIHSIALSTFASLIGPFGGFFASGFKRAFKIKDFANTIPGHGGIMDRFDCQYLMATFVHVYITSFIRG
 PNPskVLQQLLVLQPEQQLNIYRTLKIHLTEKILQPTLKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_c07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_173370

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_173370.3](#), [NP_775546.2](#)
RefSeq Size: 3939 bp

RefSeq ORF: 1386 bp

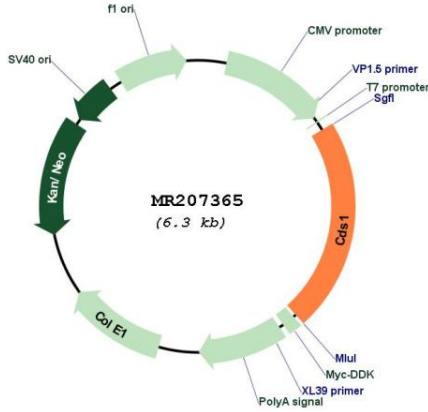
Locus ID: 74596

UniProt ID: [P98191](#)
Cytogenetics: 5 E4

MW: 53.3 kDa

Gene Summary: Provides CDP-diacylglycerol, an important precursor for the synthesis of phosphatidylinositol (PtdIns), phosphatidylglycerol, and cardiolipin. Overexpression may amplify cellular signaling responses from cytokines. May also play an important role in the signal transduction mechanism of retina and neural cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207365