

Product datasheet for **MG207365**

Cds1 (NM_173370) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cds1 (NM_173370) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cds1
Synonyms:	4833409J18Rik; AI314024; AW125888
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207365 representing NM_173370
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGAGCTGCGGCACCGGGGGCTGCCCGGCCCTGGGGAGCGGGGGCGCCACCCCGGAGG
 GAGAGGCGGCCGGCGGTGACCACGAAACGAGAGCACCAGCGACAAGAAACAGATATTGATGACAGGTA
 TGGAGATCTCGATGCCAGAGCGATTCCGACGTGCCTGAGGTCCCACCGTCTCAGACAGGACCCCGAG
 ATTCTCAAGAAAGCCCTGTCCGACTATCTTCAAGATGGAAGAACTGGTGGATTCGCGGGATCCTCACCC
 TCACCATGATCTCCCTCTTCTTCTGATTATCTATATGGGGTCTTCATGCTGATGCTTCTGGTTCTGGG
 CATCCAAGTGAAGTGCTCCATGAGATCATCACCATCGGGTACCGGGTCTACCACTCCTACGACCTCCCA
 TGGTTTAGGACACTAAGTTGGTACTTCTCCTGTGTGTAAGTACTTCTTCTATGGAGAGACGGTGGCAG
 ATTACTTCGCCACGTTTGTTCAGAGGGAGGAGCAGCTGCAGTTCTCATTGCTACACAGGTTTCATATC
 CTTGCGCCCTACCTGGCAGTTTCTGCATGTTTGTCTGAGCCTGGTGAAGAAGCACTACAGACTGCAG
 TTCTATATGTTCCGATGGACGCAGTCACTTTACTGATAACCGTCACTCAGTCACATCTTGTTCATCCAAA
 ATCTGTTTGAAGGCATGATATGGTTCTTGTCCCATATCAAGCGTCATCTGCAATGACATCACAGCTTA
 TCTTTTTGGATTTTTTTTTGGAAGAACTCCTCTAATTAAGCTGTCTCCTAAGAAGACTTGGGAAGGATTC
 ATTGGTGGTTTCTTCTCCACAGTCATATTTGGATTCAATTGCTGCCTATGTGTTGTCCAAGTACCAGTACT
 TTGTGTGCCCGGTGGAATACCGAAGCGACGTCACTCCTTCGTGACAGAGTGTGAGCCCTCAGAAGTGT
 CCAGCTTCAGAATTACTCCCTCCCTCCATTCTACAGGCAGTGTGAGCCGGGAGACTGTGAGCTTGAC
 CCCTTCCAGATACACAGCATTGCCCTTCAACGTTTCGCGTCACTGATTGGCCATTTGGAGGCTTCTTTG
 CCAGTGGATTCAAAGAGCTTTCAAATCAAGGATTTTGAACACGATTCTGGACATGGCCGGGATAAT
 GGACAGGTTTACTGTGAGTATTTGATGGCAACGTTTCGTGACAGTGTACATCACCAGCTTCATCAGGGGT
 CCGAATCCAGCAAAGTGTCCAGCAGCTGTTAGTGCTTCAACCAGAACAGCAGTTAAATATCTACAGAA
 CCTGAAGATTCTCACCGAGAAAGGATCCTGCAGCCACCTTGAAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207365 representing NM_173370
 Red=Cloning site Green=Tags(s)

MLELRHRGGCPGPGGAGAPPPREGAAGGDHETESTSDKETDIDDRYGDLDARGDSVPEVPPSSDRTPE
 ILKKALSGLSSRWKNWWIRGILTLTMISLFFLIYMGSFMLMLLVLGIQVKCFHEIITIGYRVYHSYDLP
 WFRTLWYFLLCVNYFFYGETVADYFATFVQREEQLQLIRYHRFISFALYLAGFCMFVLSLVKKHYRLQ
 FYMFAWTHVTLITVTQSHLVIQNLFEQMIWFLVPISSVICNDITAYLFGFFFGRTPLIKLSPKKTWEGF
 IGGFFSTVIFGFIAAYVLSKYQYFVCPVEYRSDVNSFVTECEPSELFQLQNYSLPPFLQAVLSRETVSLY
 PFQIHSIALSTFASLIGPFGGFFASGFKRAFKIKDFANTIPGHGGIMDRFDCQYLMATFVHVYITSFIRG
 PNPSKVLQQLVLQPEQQLNIYRTLKIHLTEKGILQPTLKV

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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_173370.3</u> , <u>NP_775546.2</u>
RefSeq Size:	3939 bp
RefSeq ORF:	1386 bp
Locus ID:	74596
UniProt ID:	<u>P98191</u>
Cytogenetics:	5 E4
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]