

## Product datasheet for **RN207025**

### Cds1 (NM\_031242) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cds1 (NM_031242) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cds1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207025 representing NM_031242 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTGGAGCTGCGGCACCGCGGGGCTGCCCGGCCCGGGGAGCGGGGACGCCACCCCGCGAGG  
GAGAGGCGCGCGGCCGACCACGAAACCGAGAGCACCAGCGACAAGAAACAGATATTGATGACAGGTA  
TGGAGATCTCGATGCCAGAGGAGATTCCGATGTTCCCTGAGTCCCACCATCCTCAGACAGGACCCCGAG  
ATTCTCAAGAAAGCCCTGTCTGGACTGTATCAAGATGGAAGAAGTGGTGGATTCTGGGATCCTACCC  
TGACCATGATCTCCCTCTTCTCTGATCATCTATATGGGGTCCCTCATGCTGATGCTTCTGGTTCTGGG  
CATCCAGGTGAAGTGCTCCAGGAGATCATAACCATCGGGTACAGGGTCTACCACTCCTACGACCTCCCG  
TGGTTTGAACACTAAGTTGGTACTTCTCCTATGTGTGAAGTACTTCTCTATGGAGAGACAGTGGCAG  
ATTACTTCGCCACGTTTCGTTCCAGAGGAGGAGCAGCTGCAGTTCCTCATTGCTACCCAGGTTTCATATC  
CTTCGCCCTCTACCTGGCAGGTTTCTGCATGTTCTGCTGAGCTTGGTGAAGAAACTACCGACTACAG  
TTCTATATGTTTCGCATGGACTCACGTCACTTTACTGATAACCGTCACTCAGTCACATCTTGTTCATCCAA  
ATCTGTTTGAAGGCATGATATGGTTCCCTTGTCATATCAAGCGTCATCTGCAATGATATCACGGCTTA  
CCTTTTTGGATTTTTTTTTGGAAGAAGTCTTTAATTAAGCTGTCTCCTAAGAAGACCTGGGAAGGATTC  
ATTGGTGGTTTCTTCTCCACAGTCATATTTGGATTCATTGCTGCCTATGTGTTGTCCAAGTATCAGTACT  
TTGTGTGCCCGGTGGAGTACCGAAGCGACGTCACTCCTTCGTGACAGAAATGTGAGCCCTCAGAAGTGT  
CCAGCTTCAGAATTACTCCCTCCCTCCGTTCTACAGGCAGTGTGAGCCGGGAGACCGTGGAGCTTGTAC  
CCCTTCAGATACACAGCATTGCCCTTTCAACATTTGCATCACTGATCGGCCATTCGGAGGCTTCTTCG  
CCAGTGGATTCAAAGAGCTTTCAAATCAAGGACTTTGCAAACACTATTCTGGCATGGAGGGATAAT  
GGACAGGTTTCGATTGTCAGTATTTGATGGCGACGTTCTGTCACGTGTACATCACCAGCTTCATCAGGGT  
CCGAATCCAGCAAAGTCTCCAGCAGCTCCTAGTCTCAGCCAGAGCAGCAGTTAAACATCTACAGAA  
CCCTGAAGATACATCTCACGGAGAAAGGCATCCTGCAGCCACCTGGAAGGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_031242
<b>Insert Size:</b>	1386 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_031242.2</a></u> , <u><a href="#">NP_112521.2</a></u>
<b>RefSeq Size:</b>	1972 bp
<b>RefSeq ORF:</b>	1386 bp
<b>Locus ID:</b>	81925
<b>UniProt ID:</b>	<u><a href="#">O35052</a></u>
<b>Cytogenetics:</b>	14p22
<b>Gene Summary:</b>	human homolog catalyzes the conversion of phosphatidic acid to CDP-diacylglycerol [RGD, Feb 2006]