

Product datasheet for **RN202808**

Cds2 (NM_053643) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cds2 (NM_053643) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cds2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202808 representing NM_053643 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCGAGCTACGGCAGAGGGCTGTCCGCGAGGACGCACCTCCGGAGGACAAGGAATCAGAGTCGGAAG
CAAAGTTAGATGGAGAGACCGCATCAGACAGCGAGAGTCGAGCGAAACAGCTCCCCACCAACCTCCAT
AGATGATACCCAGAGGTCCTAACAGGGCCCTTCCAACCTGTCCTCAAGATGGAAGAATGGTGGGTG
CGAGGCATCCTGACGATGGCCATGATTGCATTTTTCTTCATTATCATTTACCTGGGACCAATGGTTTTGA
TGATGATTGTTATGTGTGTTCAAGTAAAGTGTTCATGAAATAACTACTATTGGCTACAATGTATACCA
CTCCTACGACTTGCCCTGGTTCAGGACCCTCAGCTGGTACTTCCTCCTGTGTGTAAGTACTTCTCTAC
GGGAGACAGTGACAGACTACTTCTCACTCTGGTCCAGAGAGGAGCCTTTGCGCATTCTCAGTAAAT
ACCACCGTTCATCTCCTTACCCTGTATCTAACAGGATCTGCATGTTTGTCTGAGTCTGTTAAGAA
GCATTATCGGCTGCAGTCTACATGTTGGCTGGACCCATGTGACCTTGCTTATTGTCGTAACGCAGTCA
CATCTTGTATCCATAACTGTTTGAAGGAATGATATGGTTTATTGTTCCCATTTTCATGCGTCATCTGCA
ATGATATTATGGCCTATATGTTTGGCTTTTTCTTTGGTCGGACCCACTCATTAAAGCTCTCTCAAAGAA
GACCTGGGAAGGCTTCATTGGGGCTTCTTTGCTACTGTGGTGTGGCCTTCTGCTCTCCTACGTGATG
TCTGGGTACCGATGCTTCGTCCTGTGGAATACAACAATGACACCAACAGTTTCACTGTGGACTGTG
AGCCATCTGACCTGTTCCGCTGCAGGAGTACAACATCCCGGGGTGATCCAGTCGCTCGTTGGCTGGAA
AACCATGAGGATGACCTTTCCAGATCCACAGTGCCTCTCCACCTTCGCTCGCTCATTGGCCCATTT
GGAGGGTCTTCGCAAGTGGATTCAAGCGGGCCTTTAAATCAAAGATTTGCCAACACCATTCCTGGTC
ATGGAGGCATCATGGATCGCTTTGACTGCCAGTACCTGATGGCCACCTTTGTCAACGTGTACATCGCCAG
CTTTATCAGGGGCCCCAACCCGAGCAAAGTATCAGCAGTTCCTGACGTTGCGCCGGACCAGCAGCTT
CACATCTCAACACACTCAAGTCTCACCTGACTGACAAGGGGATCTGATGTCTGCCTTGAAGAGGAGT
AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_053643
Insert Size:	1332 bp
OTI Disclaimer:	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).
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:	NM_053643.1 , NP_446095.1
RefSeq Size:	1523 bp
RefSeq ORF:	1332 bp
Locus ID:	114101
UniProt ID:	Q91XU8
Cytogenetics:	3q36
Gene Summary:	mitochondrial membrane protein that is important for the biosynthesis of phosphatidylglycerol and phosphatidylinositol [RGD, Feb 2006]