

Product datasheet for **RN202400**

Pcyt2 (NM_053568) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcyt2 (NM_053568) Rat Untagged Clone
Tag: Tag Free
Symbol: Pcyt2
Synonyms: ET
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202400 representing NM_053568
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCGGAACGGGCACGGGGCTGGCGGCGTCTGGGCTGAAGGGTCCGGGCGCCAGCGCACCGTG
GGGTGTGGTGCATGGCTGCTATGACATGGTGCATTACGGCCACTCCAACCAGCTACGCCAGGCGCGGG
CATGGGGACTACCTCATTGTGGGCGTGCATACTGACGAGGAGATTGCCAAGCATAAGGGGCCCCCGGT
TTTACCCAGGAGGAGCGGTACAAGATGGTACAGGCCATCAAGTGGTGGATGAAGTGGTACCGGCTGCTC
CCTACGTCAACACTGGAGACTGGACAAGCAACTGTGACTTCTGCGTTTATGGCAATGACATCAC
GCTGACAGTAGATGGCCGAGATACCTACGAGGAAGTGAAGCAGGCTGGGAGGTACAGAGAGTGCAAACGC
ACCCAGGGTGTGCCACCACAGACCTCGTGGTGCATGCTGCTGGTACCAAGGCCACCATAGCAGCC
AGGAGATGTCTCTGAGTACCGGGAATATGCTGACAGTTTTGGCAAGCCCTCACCCGACACCTGCCGG
GGACACACTTTCCTCAGAAGTCTCTCCAGTGCCTGGGGGCAGAGCCCTGGACAGGGGTGTCCAG
TTCCTACAGACATCCCAGAAGATCATCCAGTTTGCTTCTGGGAAGGAGCCCAAGCCCGGGGAGACAGTCA
TCTATGTGGTGGTGCCTTTGACCTGTTCCACATCGGGCAGTGGACTTCTACAGGAGTGCACAAGCT
AGCCAAGAGGCCCTACGTCATCGCGGGCTACACTTTGACCAGGAAGTAAACCGGTACAAGGGCAAGAAC
TACCCCATCATGAACCTGCATGAGCGGACTCTCAGTGTGCTGGCCTGCCGTATGTTTCAGAAGTGGTGA
TTGGGGCACCGTACTCCGTCACAGCAGAGCTCCTGAATCATTTCAAGGTGGACCTGGTGTGTCATGGGAA
GACAGAAATTGTACCCGACAGGGATGGGTCTGACCCTACGAGGAGCCCAAGAGAAGAGGCAATTTCTGT
CAGATTGACAGTGGCAGTGACCTCACTACAGACCTGATTGTGCAAGGATCATCAAGAACAGGTTGGAGT
ACGAAGCAGGAATCAGAAGAAGGAAGCAAGGAATTAGCCTTTTGGAGGCCCTGAGGCAGCAGGAGGC
ACAGCCCAGAGGGGAGACTGAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_053568
Insert Size:	1215 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_053568.1 , NP_446020.1
RefSeq Size:	1846 bp
RefSeq ORF:	1215 bp
Locus ID:	89841
UniProt ID:	O88637
Cytogenetics:	10q32.3
Gene Summary:	plays a role in the CDP-ethanolamine pathway for phosphatidylethanolamine synthesis [RGD, Feb 2006]