

Product datasheet for MR226248

Pcyt1a (NM_001163160) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcyt1a (NM_001163160) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcyt1a
Synonyms:	Cctalpha; CTalpha; Ctpct; Ctalpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226248 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGCACAGAGTTCAGCTAAAGTCAATTCGAGGAAGAGGAGGAAAGAGGCACCTGGCCCTAATGGAG
CAACAGAGGAAGATGGAATTCCTTCCAAAGTGCAGCGTTGCGCAGTTGGTTTACGGCAGCCAGCTCCTTT
TTCTGATGAAATTGAAGTTGACTTTAGTAAGCCCTATGTCAGGGTACTATGGAAGAAGCCTGCAGGGGA
ACTCCGTGTGAGCGGCCGTGAGAGTTTATGCGGATGGAATATTTGACTTGTTCCTACTCTGGTCATGCC
GGGCTCTGATGCAAGCAAAGAACCTTTCCCTAATACGTATCTAATTGTGGGAGTCTGCAGTGATGAGCT
AACGCACAACCTCAAGGGCTTCACTGTGATGAACGAGAATGAGCGCTATGACGCCGTGCAGCACTGCCGC
TACGTGGACGAGGTGGTGCAGAACGCCCTGGACTCTGACGCCTGAGTTCTGGCAGAGCACCGGATTG
ATTTTGTGCGCCATGACGACATCCCTATTCTTCTGCAGGGAGCGATGATGTGTATAAGCACATCAAGGA
CGCAGGCATGTTTGTCCACACAGAGGACAGAAGGATCTCCACATCAGACATCATCACCCGATTGTC
CGTGACTATGATGTGATGCAAGACGGAACCTACAGAGGGGTACACTGCCAAGGAGTCAATGTCAGCT
TTATCAACGAGAAGAAAACCACTTGAAGAACGAGTTGATAAAGTAAAGAAGAAAGTAAAAGATGTGGA
GAAAAGTCAAAAGAGTTTGTGCAGAAGGTGGAAGAGAAGAGCATCGACCTCATCCAGAAGTGGGAGGAG
AAGTCCCGAGAGTTCATTGGAAGTTTCTGAAATGTTTGGTCCAGAAGGAGCACTGAAGCACATGCTGA
AGGAGGGAAAAGTCCGATGCTGCAGGCCATCAGTCCCAAGCAGAGCCCAAGCAGCAGCCCTACTCATGA
GCGCTCCCCCTCCCTCCTTTCCGTTGGCCCTTCTCTGGCAAGACTTCCCATCTTCTCCCCAGCAAGT
CTTTCTAGGTGCAGGGCTGTGACCTGTGACATCAGCGAGGATGAAGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226248 protein sequence
Red=Cloning site Green=Tags(s)

MDAQSSAKVNSRKRKEAPGPNGATEEDGIPSKVQRCVGLRQPAPFSDIEVDFSKPYVVRTMEEACRG
 TPCERPVRVYADGIFDLFHSGHARALMQAKNLFNPTYLIVGVCSDELTHNFKGFTVMNENERYDAVQHCR
 YVDEVVRNAPWTLTPEFLAEHRIDFVAHDDIPYSSAGSDDVYKHIKDAGMFAPTQRTEGISTSDIITRIV
 RDYDVYARRNLQRGYTAKELNVSFINEKKYHLQERVVKVKKVKDVEEKSKEFVQKVEEKSIDLIQKWE
 KSRFIGSFLEMFPEGALKHMLKEGKGRMLQATSPKQSPSSPOTHERSPSPSFRWPFSGKTPSSSPAS
 LSRCAVTCDISEDEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001163160

ORF Size: 1104 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_001163160.1](#), [NP_001156632.1](#)

RefSeq Size: 4885 bp

RefSeq ORF: 1104 bp

Locus ID: 13026

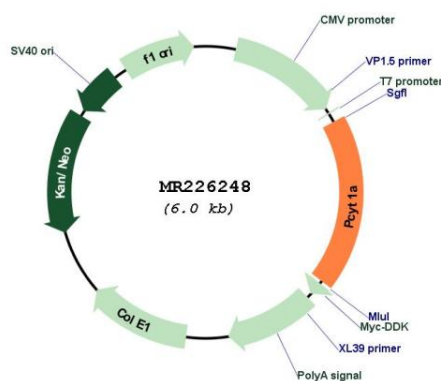
UniProt ID: [P49586](#)

Cytogenetics: 16 22.69 cM

MW: 41.7 kDa

Gene Summary: Controls phosphatidylcholine synthesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226248