

Product datasheet for MR205690

Pcyt1b (NM_211138) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcyt1b (NM_211138) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcyt1b
Synonyms:	AW045697; CTTbeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205690 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAGTACTTACCACTGATGCTGAGTCAGAAACAGGTATCCCAAAATCCCTTTCCAATGAGCCTCCCT
CAGAAACCATGGAGGAAATAGAGCACACATGCCACAGCCTCGACTGACCCTGACTGCACCAGCCCCATT
TGCTGATGAATCCAGCTGCCAGTGCCAAGCACCTCATGAAAACTGACCGTTGCCAGGCCCGCTTAGGA
ACACCAGTTGATAGGCCGTTAGAGTGTATGCAGATGGAATATTTGACCTCTTCCACTCAGGTCACGCAA
GGGCATTATGCAAGCAAAAACACTGTTTCCCAACAGCTACTTGTGGTAGGAGTTTGCAGTGATGACCT
TACTCACAAATCAAAGTTTTACTGTGATGAACGAGGCAGAGAGATATGAAGCTCTCAGACACTGTCTGA
TACGTGGATGAAGTCATCAGAGACGCGCCATGGACTCTTACTCCAGAGTTTCTGGAAAAACAAGATTG
ACTTTGTGGCTCACGATGATATCCATACTCCTCTGCTGGTTCTGATGACGTTTATAAGCATATCAAGGA
AGCAGGCATGTTTGTCCAACACAAGAAGCAGAAGGCATCTCAACATCAGACATCATCACCAGAATTGTC
CGTGACTATGATGATATGCCCGCGTAATCTCCAGAGAGGGTACACAGCCAAGGAGCTGAACGTCAGCT
TTATAAACGAGAAGAAGTACCGTTTCCAGAACCAGGTGGACAAGATGAAAGAAAAGGTCAAGAATGTGGA
AGAAAGATCAAAGGAGTTTGTAAACAGAGTAGAAGAAAAGAGTCATGACCTAATTCAAAAGTGGGAAGAA
AAATCAAGAGAGTTTATTGGCACTTCTGGAAGTGTGGCCAGATGGTGCATGGAAGCAGATGTTCC
AGGAGAGGAGTAGCCGGATGCTGCAGGCATTATCTCCGAAGCAGAGTCTGTGAGCAGCCCCGACCCGGAG
CCGGTCCCCTTCTCGCTCTCCATCTCCTACCTTCTCTGGCTCCCAAAACAAGACCTCTCCCCCTCCTCA
CCCAAAGCAGCCTCAGCCTCCATCAGCAGCATGAGCGAGGGGGATGAGGATGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205690 protein sequence
 Red=Cloning site Green=Tags(s)

MPVLTTDAESETGIPKLSLNEPPSETMEEIEHTCPQPRLLTAPAPFADESSCQCQAPHEKLTVAQARLG
 TPVDRPVRVYADGIFDLFHSGHARALMQAKTLFPNSYLLVGVCSDDLTHKFKGFTVMNEAERYEALRHCR
 YVDEVIRDAPWLTPEFLEKHKIDFVAHDDIPYSSAGSDDVYKHIKEAGMFVPTQRTEGISTSDIITRIV
 RDYDVYARRNLQRGYTAKELNVSFINEKKYRFQNVQVDMKEKVKVNEERSKEFVNRVEEKSHDLIQKWE
 KSREFIGNFLELFGPDGAWKQMFQERSRMLQALSPKQSPVSSPTRSRSPSRSPPTFSWLPNKTSPPSS
 PKAASASISSMSEGDEDEK

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_211138

ORF Size: 1110 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_211138.1](#), [NP_997593.1](#)

RefSeq Size: 4875 bp

RefSeq ORF: 1110 bp

Locus ID: 236899

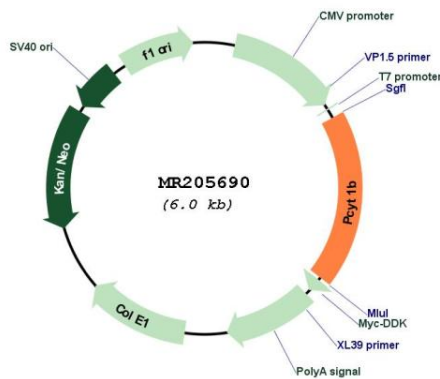
UniProt ID: [Q811Q9](#)

Cytogenetics: X C3

MW: 41.9 kDa

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

Product images:



Circular map for MR205690