

Product datasheet for **MG216126**

Pcyt1b (NM_177546) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcyt1b (NM_177546) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pcyt1b
Synonyms: AW045697; CTTbeta
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216126 representing NM_177546
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGACAAGGACGAATTCTCACGCAAGACCCTGACTGCACCAGCCCCATTTGCTGATGAATCCAGCTGCC
 AGTGCCAAGCACCTCATGAAAACTGACCGTTGCCAGGCCCGCTTAGGAACACCAGTTGATAGGCCTGT
 TAGAGTGTATGCAGATGGAATATTTGACCTCTTCCACTCAGGTCACGCAAGGGCACTTATGCAAGCAAAA
 AACTGTTTCCCAACAGCTACTTGTGGTAGGAGTTTGCAGTGATGACCTTACTCAGAAATCAAAGGTT
 TACTGTGATGAACGAGGACAGAGATATGAAGCTCTCAGACACTGTCGATACGTGGATGAAGTCATCAG
 AGACGCGCATGGACTCTTACTCCAGAGTTTCTGGAAAAACACAAGATTGACTTTGTGGCTCAGCATGAT
 ATTCCATACTCCTCTGCTGGTTCTGATGACGTTTATAAGCATATCAAGGAAGCAGGCATGTTTGTCCAA
 CACAAAGAACAGAAGGCATCTCAACATCAGACATCATCACCAGAATTGTCCGTGACTATGATGTATATGC
 CCGCGTAATCTCCAGAGAGGGTACACAGCCAAGGAGCTGAACGTCAGCTTTATAAACGAGAAGAAGTAC
 CGTTTCCAGAACCAGGTGGACAAGATGAAAGAAAAGGTCAAGAATGTGGAAGAAAGATCAAAGGAGTTTG
 TTAACAGAGTAGAAGAAAAGAGTCATGACCTAATTCAAAAGTGGGAAGAAAAATCAAGAGAGTTTATTGG
 CAATTCCTGAACTGTTTGGCCAGATGGTGCATGGAAGCAGATGTTCCAGGAGAGGAGTAGCCGGATG
 CTGCAGCATTATCTCCGAAGCAGAGTCCTGTGAGCAGCCGACCCGGAGCCGTTCCCTCTCGCTCTC
 CATCTCCTACCTTCTCCTGGCTCCCAAACAAGACCTCTCCCCCTCTCACCCAAAGCAGCCTCAGCCTC
 CATCAGCAGCATGAGCGAGGGGATGAGGATGAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

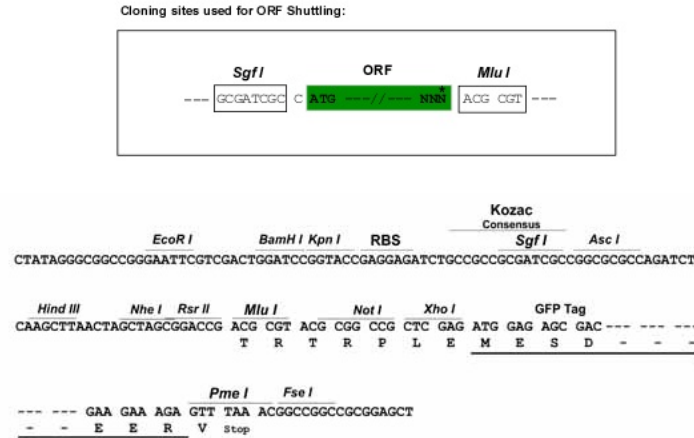
Protein Sequence: >MG216126 representing NM_177546
Red=Cloning site Green=Tags(s)

MDKDEFSRKTLTAPAPFADESSCQCQAPHEKLTVAQARLGTVPDRPVRVYADGIFDLFHSGHARALMQAK
 TLFPNSYLLVGVCSDDLTHKFKGFTVMNEAERYEARHCRYVDEVIDAPWLTPEFLEKHKIDFVAHDD
 IPYSSAGSDDVYKHIKEAGMFVPTQRTEGISTSDIITRIVRDYDYYARRNLQRGYTAKELNVSFINEKKY
 RFQNQVDKMKKEVKNVEERSKEFVNRVEEKSHDLIQKWEEEKSREFIGNFLELFGPDGAWKQMFQERSRM
 LQALSPKQSPVSSPTRSRSPSRSPPTFSWLPNKTSPPSSPKAASASISSMSEGDEDEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177546

ORF Size: 1017 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_177546.2](#), [NP_808214.1](#)

RefSeq Size: 4864 bp

RefSeq ORF: 1020 bp

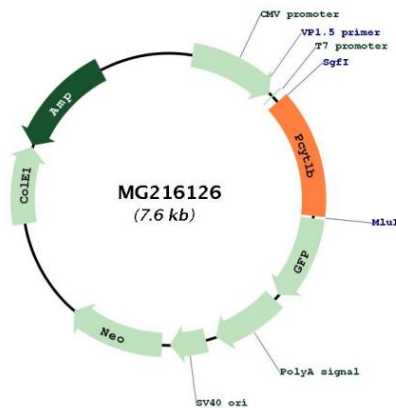
Locus ID: 236899

UniProt ID: [Q811Q9](#)

Cytogenetics: X C3

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

Product images:



Circular map for MG216126