

Product datasheet for **RG221070**

PCTP (NM_001102402) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PCTP (NM_001102402) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PCTP
Synonyms: PC-TP; STARD2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221070 representing NM_001102402
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACTCAGATTACAGAAAACATGGGACCAGTATGTTAAAGAACTCTATGAACAAGAATGCAACGGAG
AGACTGTGGTCTACTGGGAAGTGAAGTACCCTTTTCCCATGTCCAACAGAGACTATGTCTACCTTCGGCA
GCGGCGAGACCTGGACATGGAAGGGAGGAAGATCCATGTGATCCTGGCCCGGAGCACCTCCATGCCTCAG
CTTGCGGAGAGGTCTGGGGTGATCCGGTGAAGCAATACAAGCAGAGCCTGGCGATCGAGAGTGACGGCA
AGAAGGGGAGCAAAGTTTTCATGTATTACTTCGATAACCCGGGTGGCCAAATTCCGTCCTGGCTCATTAA
CTGGGCCGCCAAGAATGGAGTTCCTAATTCTTGAAGACATGGCAAGAGCCTGTCAGAACTACCTCAAG
AAAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG221070 representing NM_001102402
Red=Cloning site Green=Tags(s)

MDSYRKQWDQYVKELYEQECNGETVVYWEVKYFPMSNRDYVYLRQRRDLMEGRKIHVILARSTSMPO
 LGERSGVIRVKYKQSLAIESDGKKGSKVFMYYFDNPGGQIPSWLINWAAKNGVPNFKDMARACQNYLK
 KT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001102402

ORF Size: 426 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_001102402.2](#), [NP_001095872.1](#)

RefSeq Size: 2282 bp

RefSeq ORF: 429 bp

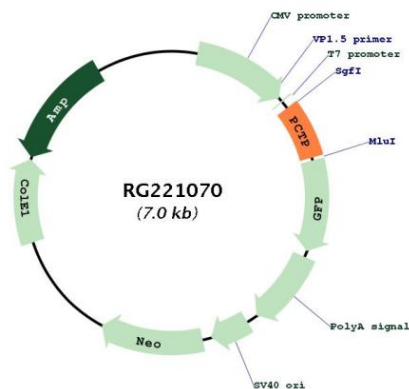
Locus ID: 58488

UniProt ID: [Q9UKL6](#)

Cytogenetics: 17q22

Gene Summary: Catalyzes the transfer of phosphatidylcholine between membranes. Binds a single lipid molecule.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG221070