

Product datasheet for **RC221070**

PCTP (NM_001102402) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCTP (NM_001102402) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PCTP
Synonyms:	PC-TP; STARD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221070 representing NM_001102402 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAGCTGGCCGCCGAAGCTTCTCGGAGGAGCAGTTCTGGGAGGCCTGCGCCGAGCTCCAGCAGCCCG
 CTCTGGCCGGGGCCGACTGGCAGCTCCTAGTGGAGACCTCGGGCATCAGCATCTACCGGTGCTGGACAA
 GAAGACTGGACTTTATGAGTATAAAGTCTTTGGTGTCTGGAGGACTGCTCACCAACTCTACTGGCAGAC
 ATCTATATGGACTCAGATTACAGAAAACAATGGGACCAGTATGTTAAAGAACTCTATGAACAAGAATGCA
 ACGGAGAGACTGTGGTCTACTGGGAAGTGAAGTACCCTTTTCCCATGTCCAACAGAGACTATGTCTACCT
 TCGGCAGCGGCGAGACCTGGACATGGAAGGGAGGAAGATCCATGTGATCCTGGCCCGGAGCACCTCCATG
 CCTCAGCTTGGCGAGAGGTCTGGGGTGATCCGGGTGAAGCAATACAAGCAGAGCCTGGCGATTGAGAGTG
 ACGGCAAGAAGGGGAGCAAAGTTTTTCATGTATTACTTCGATAACCCGGGTGGCCAAATCCGTCCTGGCT
 CATTAAGTGGCCGCCAAGAATGGAGTTCCTAAGTCTTGAAGACATGGCAAGAGCCTGTCAGAAGTAC
 CTCAAGAAAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC221070 representing NM_001102402
 Red=Cloning site Green=Tags(s)

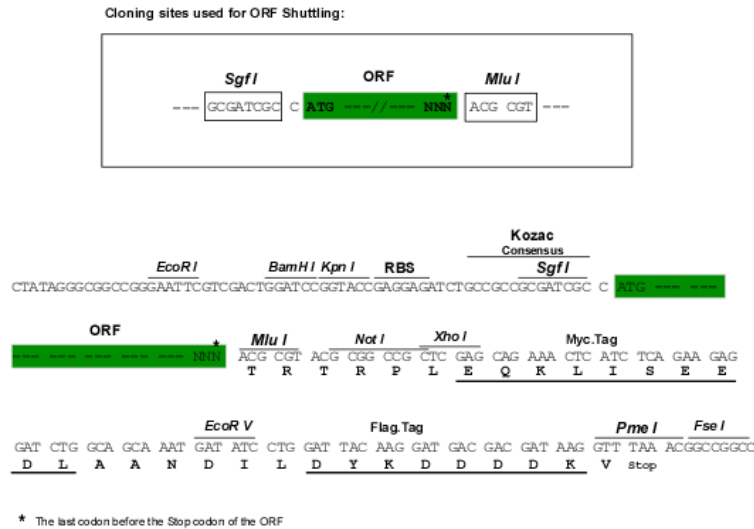
MELAAGSFSEEQFWEACAE LQQPALAGADWQLLVETSGISIIYRLLDKKTGLYEYKVFGVLEDCSPTLLAD
 IYMSDYRKQWDQYVKELYEQECNGETVVYWEVKYFPFMSNRDYVYLQRRLDMEGRKIHVILARSTSM
 PQLGERSGVIRVKYKQSLAIESDGKKGSKVFMYYFDNPGGQIPSWLINWAAKNGVPNFKDMARACQNY
 LKKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1431_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001102402

ORF Size: 642 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq Size: 2282 bp

RefSeq ORF: 429 bp

Locus ID: 58488

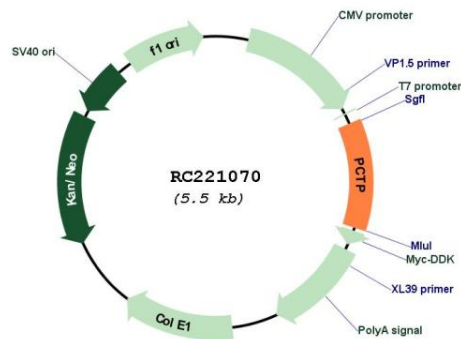
UniProt ID: [Q9UKL6](#)

Cytogenetics: 17q22

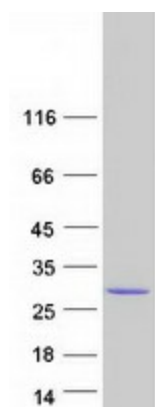
MW: 24.84 kDa

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

Product images:



Circular map for RC221070



Coomassie blue staining of purified PCTP protein (Cat# [TP321070]). The protein was produced from HEK293T cells transfected with PCTP cDNA clone (Cat# RC221070) using MegaTran 2.0 (Cat# [TT210002]).