

Product datasheet for **RC204130**

PCTP (NM_021213) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCTP (NM_021213) 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:	>RC204130 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGCTGGCCGCCGAAGCTTCTCGGAGGAGCAGTTCTGGGAGGCCTGCGCCGAGCTCCAGCAGCCCG
CTCTGGCCGGGGCCGACTGGCAGCTCCTAGTGGAGACCTCGGGCATCAGCATCTACCGGCTGCTGGACAA
GAAGACTGGACTTTATGAGTATAAAGTCTTTGGTGTCTGGAGGACTGCTCACCAACTCTACTGGCAGAC
ATCTATATGGACTCAGATTACAGAAAACAATGGGACCAGTATGTTAAAGAACTCTATGAACAAGAATGCA
ACGGAGAGACTGTGGTCTACTGGGAAGTGAAGTACCCTTTTCCCATGTCCAACAGAGACTATGTCTACCT
TCGGCAGCGGCGAGACCTGGACATGGAAGGGAGGAAGATCCATGTGATCCTGGCCCGGAGCACCTCCATG
CCTCAGCTTGGCGAGAGGTCTGGGGTGATCCGGGTGAAGCAATACAAGCAGAGCCTGGCGATTGAGAGTG
ACGGCAAGAAGGGGAGCAAAGTTTTATGTATTACTTCGATAACCCGGGTGGCCAAATCCGTCCTGGCT
CATTAAGTGGCCGCCAAGAATGGAGTTCCTAATTCTTGAAAGACATGGCAAGAGCCTGTCAGAATACTAC
CTCAAGAAAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC204130 protein sequence
 Red=Cloning site Green=Tags(s)

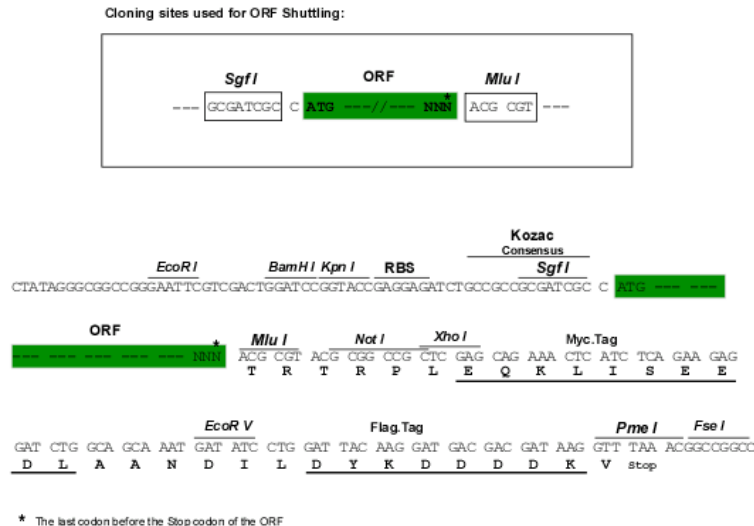
MELAAGSFSEEQFWEACAE LQQPALAGADWQLLVETSGIS IYRLLDKKTGLYEYKVFVGVLEDCSPTLLAD
 IYMSDYRKQWDQYVKELYEQECNGETVVYWEVKYFPFMSNRDYVYLQRRLDMEGRKIHVILARSTSM
 PQLGERSGVIRVKYKQSLAIESDGKKGSKVFMYYFDNPGGQIPSWLINWAAKNGVPNFLKDMARACQNY
 LKKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6430_g07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021213

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: [NM_021213.4](#)

RefSeq Size: 2065 bp

RefSeq ORF: 645 bp

Locus ID: 58488

UniProt ID: [Q9UKL6](#)

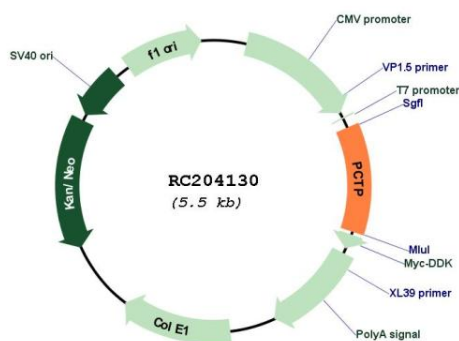
Cytogenetics: 17q22

Domains: START

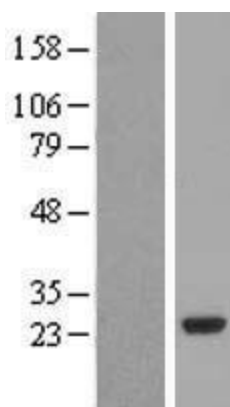
MW: 24.8 kDa

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

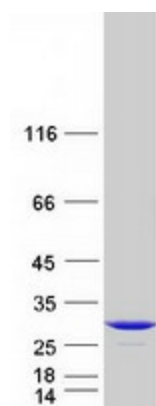
Product images:



Circular map for RC204130



Western blot validation of overexpression lysate (Cat# [LY412015]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204130 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PCTP protein (Cat# [TP304130]). The protein was produced from HEK293T cells transfected with PCTP cDNA clone (Cat# RC204130) using MegaTran 2.0 (Cat# [TT210002]).