

Product datasheet for **RG203228**

PCTP L (STARD10) (NM_006645) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCTP L (STARD10) (NM_006645) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCTP L
Synonyms:	CGI-52; NY-CO-28; PCTP2; SDCCAG28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203228 representing NM_006645 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAGCTGGCGCCTCTACAGAGCCCAAGGCCTCGGCCGGTCTGGGCCGTGAGAGTGTCCAGG
TGCCCGATGACCAAGACTTTCGAGCTTCCGGTCAGAGTGTGAGGCTGAGGTGGGCTGGAACCTGACCTA
TAGCAGGGCTGGGTGTCTGTCTGGGTGCAGGCTGTGGAGATGGATCGGACGCTGCACAAGTCAAGTGC
CGGATGGAGTGTGTGATGTGCCAGCCGAGACACTCTACGACGCTCTACACGACATTGAGTACCGCAAGA
AATGGGACAGCAACGTCATTGAGACTTTTGACATCGCCCGCTTGACAGTCAACGCTGACGTGGGCTATTA
CTCCTGGAGGTGTCCCAAGCCCTGAAGAACCCTGATGTGATCACCCTCCGCTCCTGGCTCCCCATGGGC
GCTGATTACATCATTATGAACTACTCAGTCAAACATCCCAAATACCCACCTCGGAAAGACTTGGTCCGAG
CTGTGTCCATCCAGACGGGCTACCTCATCCAGAGCACAGGGCCCAAGAGCTGCGTCATCACCTACCTGGC
CCAGGTGGACCCCAAGGCTCCTTACCCAAGTGGGTGGTGAATAAATCTTCTCAGTTCCTGGCTCCCAAG
GCCATGAAGAAGATGTACAAGGCGTGCCTCAAGTACCCGAGTGGAAACAGAAGCACCTGCCTCACTTCA
AGCCGTGGCTGCACCCGGAGCAGAGCCCGTTGCCGAGCCTGGCGCTGTGCGAGCTGTGCGTGCAGCATGC
GGACTCACTGGAGAACATCGACGAGAGCGCGGTGGCCGAGAGCAGAGAGGAGCGGATGGCGCGCCGGCC
GGCGAGGGCAGCGACGACACCTCGCTCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203228 representing NM_006645
Red=Cloning site Green=Tags(s)

MEKLAASTEPPQGRPVLGRESVQVPDDQDFRSFRSECEAEVGNWLTYSRAGVSVWVQAVEMDRTLHKIKC
 RMECCDVAETLYDVLHDIEYRKKWDSNVIETFDIARLTVNADVGYYSWRCPKPLKNRDVITLRSWLP
 ADYIIMNYSVKHPKYPPRKDLVRAVSIQTGYLIQSTGPKSCVITYLAQVDPKGSPLKVVVNKSSQFLAPK
 AMKKMYKACLKYPEWKQKHLPHFKPWLHPEQSPPLSLALSELSVQHADSLENIDESAVAESREERMGGAG
 GEGSDDDTSLT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006645

ORF Size: 873 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_006645.2](#), [NP_006636.2](#)

RefSeq Size: 1988 bp

RefSeq ORF: 876 bp

Locus ID: 10809

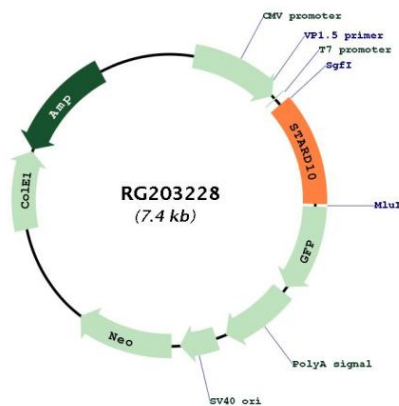
UniProt ID: [Q9Y365](#)

Cytogenetics: 11q13.4

Domains: START

Gene Summary: May play metabolic roles in sperm maturation or fertilization (By similarity). Phospholipid transfer protein that preferentially selects lipid species containing a palmitoyl or stearyl chain on the sn-1 and an unsaturated fatty acyl chain (18:1 or 18:2) on the sn-2 position. Able to transfer phosphatidylcholine (PC) and phosphatidylethanolamine (PE) between membranes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203228