

## Product datasheet for **SC102481**

### PCTP L (STARD10) (NM\_006645) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PCTP L (STARD10) (NM_006645) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCTP L
Synonyms:	CGI-52; NY-CO-28; PCTP2; SDCCAG28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC102481 sequence for NM_006645 edited (data generated by NextGen Sequencing)

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ATGGAGAAGCTGGCGCCTCTACAGAGCCCAAGGGCCTCGGCCGTCTGGCCGTGAG
AGTGTCCAGGTGCCGATGACCAAGACTTTCGCAGCTTCCGGTCAGAGTGTGAGGCTGAG
GTGGGCTGGAACCTGACCTATAGCAGGGCTGGGTGTCTGTCTGGGTGCAGGCTGTGGAG
ATGGATCGGACGCTGCACAAGATCAAGTGCCGGATGGAGTGTGTGATGTGCCAGCCGAG
ACACTCTACGACGTCCTACACGACATTGAGTACCGCAAGAAATGGGACAGCAACGTCATT
GAGACTTTTGACATCGCCCGCTTGACAGTCAACGCTGACGTGGGCTATTACTCCTGGAGG
TGTCCTCAAGCCCCTGAAGAACCCTGATGTCATCACCTCCGCTCCTGGCTCCCCATGGGC
GCTGATTACATCATTATGAACTACTCAGTCAAACATCCCAAATACCCACCTCGGAAAGAC
TTGGTCCGAGCTGTGTCCATCCAGACGGGCTACCTCATCCAGAGCACAGGGCCCAAGAGC
TGCGTCATCACCTACCTGGCCCAGGTGGACCCCAAGGCTCCTTACCCAAGTGGGTGGTG
AATAAATCTTCTCAGTTCCTGGCTCCCAAGGCCATGAAGAAGATGTACAAGGCGTGCCTC
AAGTACCCCGAGTGGAAACAGAAGCACCTGCCTCACTTCAAGCCGTGGTGCACCCGGAG
CAGAGCCCGTTGCCGAGCCTGGCGCTGTCCGAGCTGTCCGGTGCAGCATGCCGACTCACTG
GAGAACATCGACGAGAGCGCGGTGGCCGAGAGCAGAGAGGAGCGGATGGGCGGCGCGGC
GGCGAGGGCAGCGACGACACCTCGCTCACCTGA

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Clone variation with respect to NM\_006645.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006645 unedited TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGGGCACCCCGGCCCC GGCGGGCCCCGGCGGAGCGGGCAAAGGTCCCAGGAAGGTGGCGTCAGCATCTGCAGC CGCGTCGACGTTGTGGAGCCTCCGCGGAGGACCCAGGAGAGCCGGACTAGGACCAGGGC CCTGGGCTCCCCACACTCCCCATGGAGAAGCTGGCGGCTCTACAGAGCCCCAAGGGCC TCGGCCGGTCTGGGCCGTGAGAGTGTCCAGGTGCCGATGACCAAGACTTTCGCAGCTT CCGGTCAGAGTGTGAGGCTGAGGTGGGTGGAACCTGACCTATAGCAGGGCTGGGTGTC TGTCTGGGTGCAGGCTGTGGAGATGGATCGGACGCTGCACAAGATCAAGTGCCGGATGGA GTGCTGTGATGTGCCAGCCGAGACACTCTACGACGTCCTACACGACATTGAGTACCGCAA GAAATGGGACAGCAACGTCATTGAGACTTTTGACATCGCCCGCTTGACAGTCAACGCTGA CGTGGGCTATTACTCCTGGAGGTGTCCAAGCCCTGAAGAACCCTGATGTCATCACCT CCGCTCCTGGCTCCCCATGGGCGCTGATTACATCATTATGAACTACTCAGTCAAACATCC CAAATACCCACCTCGAAAGACTTGGTCCGAGCTGTGCCATCCAGACGGGCTACCTCAT CCAGAGCACAGGGCCCAAGAGCTGCGTCATCACCTACCTGGCCCAGGTGGACCCCAAGGG CTTTACCAGTGGGTGTGAAATAATCTCTCAGTCTGGCTCCCAGGCCATGAGAAGATG TCAGGCGTGCCTCAGTACCCGAGTGAAACAGAGACTGCTACTTACGCCGTGCTGACCCG ACANACCCGTGCCGACTGCGCTGNCGGACTGCGTGCACATGCGCTACTGAGACATNACAA AGCCCGTGCCANACAAAAGACGATGCCNGCCGGCGGCAGGCANACACA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006645
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_006645.1</a> , <a href="#">NP_006636.1</a>
<b>RefSeq Size:</b>	1414 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	10809
<b>UniProt ID:</b>	<a href="#">Q9Y365</a>
<b>Cytogenetics:</b>	11q13.4
<b>Domains:</b>	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 stearoyl 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]