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Product datasheet for RC203228

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:	Myc-DDK
Symbol:	PCTP L
Synonyms:	CGI-52; NY-CO-28; PCTP2; SDCCAG28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC203228 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAAGCTGGCGGCCTCTACAGAGCCCCAAGGGCCTCGGCCGGTCCTGGGCCGTGAGAGTGTCCAGG
TGCCCGATGACCAAGACTTTCGCAGCTTCCGGTCAGAGTGTGAGGCTGAGGTGGGCTGGAACCTGACCTA
TAGCAGGGCTGGGGTGTCTGTCTGGGTGCAGGCTGTGGAGATGGATCGGACGCTGCACAAGATCAAGTGC
CGGATGGAGTGCTGTGATGTGCCAGCCGAGACACTCTACGACGTCCTACACGACATTGAGTACCGCAAGA
AATGGGACAGCAACGTCATTGAGACTTTTGACATCGCCCGCTTGACAGTCAACGCTGACGTGGGCTATTA
CTCCTGGAGGTGTCCCAAGCCCCTGAAGAACCGTGATGTCATCACCCTCCGCTCCTGGCTCCCCATGGGC
GCTGATTACATCATTATGAACTACTCAGTCAAACATCCCAAATACCCACCTCGGAAAGACTTGGTCCGAG
CTGTGTCCATCCAGACGGGCTACCTCATCCAGAGCACAGGGCCCAAGAGCTGCGTCATCACCTACCTGGC
CCAGGTGGACCCCAAAGGCTCCTTACCCAAGTGGGTGGTGAATAAATCTTCTCAGTTCCTGGCTCCCAAG
GCCATGAAGAAGATGTACAAGGCGTGCCTCAAGTACCCCGAGTGGAAACAGAAGCACCTGCCTCACTTCA
AGCCGTGGCTGCACCCGGAGCAGAGCCCGTTGCCGAGCCTGGCGCTGTCGGAGCTGTCGGTGCAGCATGC
GGACTCACTGGAGAACATCGACGAGAGCGCGGTGGCCGAGAGCAGAGAGGAGCGGATGGGCGGCGCGGGC
GGCGAGGGCAGCGACGACGACACCTCGCTCACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

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>RC203228 protein sequence
Red=Cloning site Green=Tags(s)

MEKLAASTEPQGPRPVLGRESVQVPDDQDFRSFRSECEAEVGWNLTYSRAGVSVWVQAVEMDRTLHKIKC
RMECCDVPAETLYDVLHDIEYRKKWDSNVIETFDIARLTVNADVGYYSWRCPKPLKNRDVITLRSWLPMG
ADYIIMNYSVKHPKYPPRKDLVRAVSIQTGYLIQSTGPKSCVITYLAQVDPKGSLPKWVVNKSSQFLAPK
AMKKMYKACLKYPEWKQKHLPHFKPWLHPEQSPLPSLALSELSVQHADSLENIDESAVAESREERMGGAG
GEGSDDDTSLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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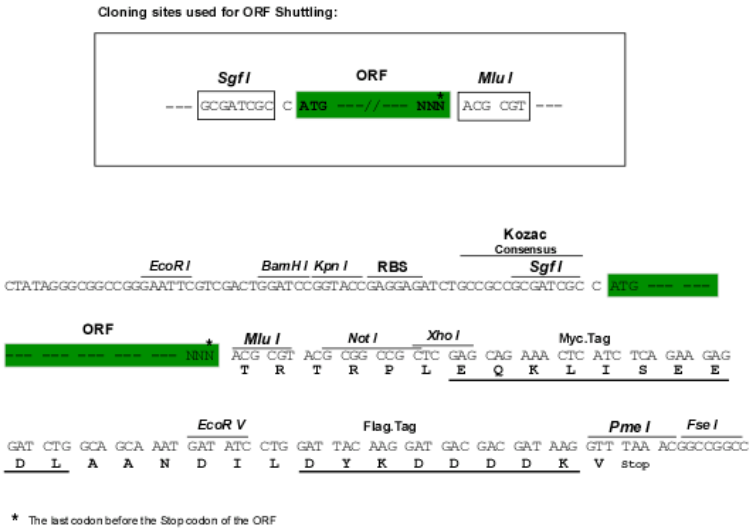
Chromatograms: https://cdn.origene.com/chromatograms/mk6557_b06.zip

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).

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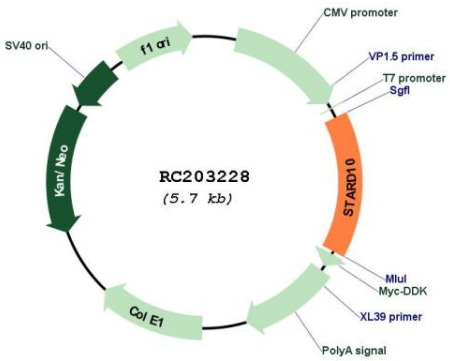
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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
MW:	33 kDa
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 phosphatidyetanolamline (PE) between membranes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC203228

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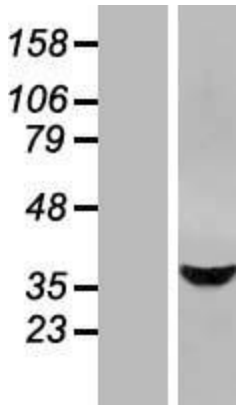
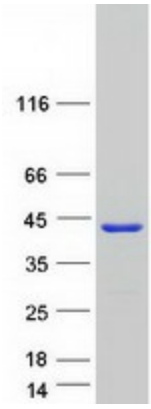


Western blot validation of overexpression lysate (Cat# [LY416482]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203228 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified STARD10 protein (Cat# [TP303228]). The protein was produced from HEK293T cells transfected with STARD10 cDNA clone (Cat# RC203228) using MegaTran 2.0 (Cat# [TT210002]).

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