

Product datasheet for RC226422

Phospholipase c eta 1 (PLCH1) (NM_001130960) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phospholipase c eta 1 (PLCH1) (NM_001130960) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phospholipase c eta 1
Synonyms:	PLC-L3; PLC eta 1; PLCL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC226422 representing NM_001130960 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC226422 representing NM_001130960
Red=Cloning site Green=Tags(s)

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SDDKPEIYFLLRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8032_a03.zip

Restriction Sites:

SgfI-MluI

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_001130960.2](#)

RefSeq ORF: 5082 bp

Locus ID: 23007

UniProt ID: [Q4KWH8](#)

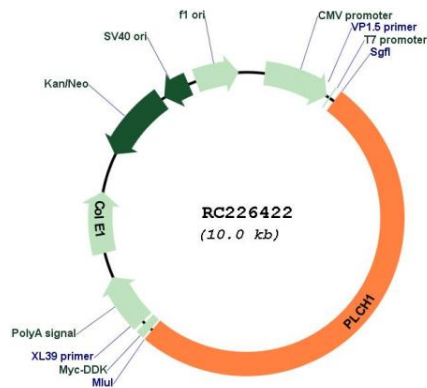
Cytogenetics: 3q25.31

Protein Families: Druggable Genome

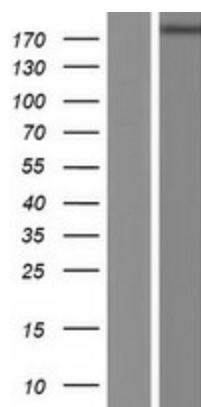
MW: 189 kDa

Gene Summary: PLCH1 is a member of the PLC-eta family of the phosphoinositide-specific phospholipase C (PLC) superfamily of enzymes that cleave phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂) to generate second messengers inositol 1,4,5-trisphosphate (IP₃) and diacylglycerol (DAG) (Hwang et al., 2005 [PubMed 15702972]).[supplied by OMIM, Jun 2009]

Product images:



Circular map for RC226422



Western blot validation of overexpression lysate (Cat# [LY427323]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226422 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).