

Product datasheet for **RG202545**

CPLANE2 (NM_030907) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPLANE2 (NM_030907) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CPLANE2
Synonyms:	C1orf89; RSG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202545 representing NM_030907 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGACCTCCCGTGCCCGGTTGCGGTGTTGTCCCAAACCTGGCACGAGAGTGCCGAGGGCAAGGAGT
ACCTGGCTTGCAATTCTGCGCAAGAACC GCCGGCGGTTGGGCTGCTTGAGCGCCAGTGCTGCTGCC
GCCTGTGCCATTGACTGCTGCACTACAAGATCTTTGTGTCCGGAAGAGTGGTGTGGCAAGACGGCG
CTGGTGGCCAAGCTGGCTGGCCTGGAGGTGCCTGTGGTGCACCACGGGACCACCGGCATCCAGACCACCG
TGTTATTTGGCCAGCCAAGCTGCAGGCCAGCAGCCGTGTCGTCATGTTTCGTTTGGAGTTCTGGGACTG
TGGAGAGTCTGCACTCAAAAAGTTTCGATCATATGCTGCTGGCTTGCATGGAGAACACAGATGCCTTCCTC
TTCTCTCTCCTTCACTGACCGTGCCTCCTTTGAAGACCTCCCTGGACAGCTGGCCCGCATAGCAGGTG
AGGCCCTGGTGTGTCAGGATGGTCAATCGGCTCCAAATTTGACCAGTACATGCACACGGAGCTGCCCGA
GCGGGACCTCACAGCCTTCGGCAGGCCTGGGAGCTGCCCTGCTACGGGTGAAGAGTGTGCCGGGGCGG
CGGCTGGCTGATGGGCGCACACTGGACGGGCGGCTGGCTGGCCGACGTTGCCACATACTCAATGGCC
TTGCTGAGCAGCTGTGGCACCAGGACAGGTGGCGGCTGGCTGCTTCCCAACCCCCAGAGAGTGCTCC
TGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_030907.2](#), [NP_112169.1](#)

RefSeq Size: 1352 bp

RefSeq ORF: 777 bp

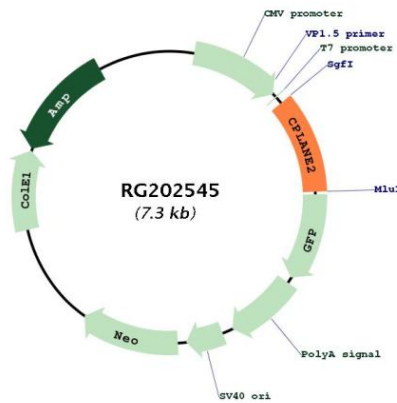
Locus ID: 79363

UniProt ID: [Q9BU20](#)

Cytogenetics: 1p36.13

Gene Summary: Potential effector of the planar cell polarity signaling pathway. Plays a role in targeted membrane trafficking most probably at the level of vesicle fusion with membranes. Involved in cilium biogenesis by regulating the transport of cargo proteins to the basal body and to the apical tips of cilia. More generally involved in exocytosis in secretory cells (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202545