

Product datasheet for **RG225861**

PHACS (ACCS) (NM_001127219) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHACS (ACCS) (NM_001127219) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHACS
Synonyms:	ACS; PHACS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG225861 representing NM_001127219
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGTTACACCTTCTCTCAAAGGACTTCAGGGCTCCACCACCTGTCTGGGCCCCACCTGCATGCAGGACC
 TGGGCAGTAGCCATGGGGAAGATCTGGAAGGAGAATGCTCCAGAAACTGGACCAGAAAGCTGCCAGAGCT
 CCGTGGAGTGGGTGATCCTGCCATGATCTCTCTGATACCTCCTACCTGTCTCTAGAGGAAGAATGATT
 AAATGGTCTGGGATTACGCTGAGGAGGGCTACAGGACCTACCACATGGATGAGTATGATGAGGACAAGA
 ACCCCAGTGGCATCATTAACTTGGGCACCACTGAGAACAACCTCTGCTTTGACCTGCTGTCTGGCGGCT
 GAGTCAGCGGACATGCAGAGGGTGGAGCCATCCCTGCTGCAGTATGCTGACTGGAGGGGACATCTGTTC
 CTCGGGAGGAAGTGGCCAAGTTCCTGTCTTTCTACTGCAAGAGCCAGTACCCCTCAGACCAGAGAATG
 TGGTTGCTCTGAATGGTGGTGCCTCGCTCTTCTGCTCTGGCCACGGTGTGTGTGAGGCCGGGAGGC
 TTTCTGATCCCCACCCCTTACTATGGCGCTATCACACAGCACGTGTGTCTCTATGGCAACATCCGGCTG
 GCCTATGTCTACCTGGACAGTGAAGTCACTGGGCTAGACACACGCCCTTCCAGCTCACAGTGGAGAAGC
 TGGAGATGGCCCTGAGAGAAGCTCACTCTGAGGGTGTGAAGGTCAAAGGCCTCATCTCATCAGCCCCCA
 GAACCTCTGGGTGATGTATACTCCCCTGAAGAGCTACAGGAGTACCTGGTATTTGCCAAGAGGCACAGG
 CTGCATGTGATTGTGGATGAGGTCTACATGCTGTCCGTGTTTGAGAAGTCTGTTGGGTACCGCAGTGTCC
 TAAGCCTGGAAAGGCTCCCTGACCCCCAGAGGACCCATGTGATGTGGCAACCAGCAAGGACTTCGGGAT
 GTCTGGGCTCCGCTTTGGCAGCTGTACACAGAAAACAGGATGTGGCCACTGCCGTGGCTTCCCTCTGC
 CGCTACCACGGCTCAGTGGCTTGGTCCAGTACCAGATGGCACAGCTGCTCCGGGACCGTGACTGGATCA
 ACCAGGTGTACCTGCCGAAAACCATGCCCGGCTCAAGGCTGCCACACCTATGTCTCAGAAGAGCTTAG
 GGCATTGGGGATCCCCTTCTTGAGTCGTGGGGCTGGCTTCTTCACTCTGGGTTGACTTGAGAAAGTACCTG
 CCCAAGGGCACCTTTGAGGAGGAATGCTGCTCTGGCGCCGCTTTTGGACAACAAGGTGCTGCTGTCTCT
 TTGGCAAGGCCTTCGAGTGTAAAGAGCCTGGTTGGTTTCGCTTTGTCTTCTCAGACCAGGTCCACCGGCT
 TTGCCTGGGGATGCAGAGGGTCCAGCAGGTGCTTGCAGGCAATCCCAAGTGGCAGAAGACCCCGTCCC
 TCTCAGAGCCAGGAGCAAGTGACCAACGCAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG225861 representing NM_001127219
 Red=Cloning site Green=Tags(s)

MFTLPQKDFRAPTTCLGPTCMQDLGSSHGDELEGECSRKLDQKLPRLRGVGPAMISSDTSYLSRGRMI
 KFWFDSAEEGYRTHYHMEYDEDEKNPSGIINLGTSENKLCFDLLSWRLSQRDMQRVEPSLLQYADWRGHLF
 LREEVAKFLSFYCKSPVPLRPENVVVLNGGASLFSALATVLCAGEAFLIPTPYGAIQTQHVCLYGNIRL
 AYVYLDSEVTGLDTRPFQLTVEKLEMLREAHSEGVKVKGLILISPQNPLGDVYSPEELQEYLVFAKRHR
 LHVIVDEVYMLSVFEKSVGYRSVLSLERLPDPQRTHVMWATSKDFGMSGLRFGTLTYTENQDVATAVASLC
 RYHGLSGLVQYQMAQLLRDRWINQVYLPENHARLKAHTYVSEELRALGIPFLSRGAGFFIWDLRKYL
 PKGTFFEEMLLWRRFLDNKVLLSFGKAFECKEPGWFRFVSDQVHRLCLGMQRVQVQLAGKSQVAEDPRP
 SQSQEPSDQRR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001127219

ORF Size: 1503 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_001127219.2](#)

RefSeq Size: 1900 bp

RefSeq ORF: 1506 bp

Locus ID: 84680

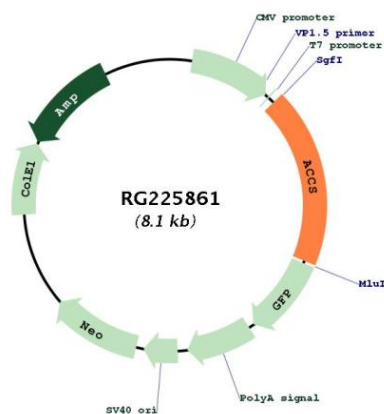
UniProt ID: [Q96QU6](#)

Cytogenetics: 11p11.2

Gene Summary:

Does not catalyze the synthesis of 1-aminocyclopropane-1-carboxylate but is capable of catalyzing the deamination of L-vinylglycine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG225861