

Product datasheet for **SC323110**

PHACS (ACCS) (NM_001127219) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHACS (ACCS) (NM_001127219) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHACS
Synonyms:	ACS; PHACS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC323110 representing NM_001127219.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTTACACCTTCCTCAAAGGACTTCAGGGCTCCCACCACCTGTCTGGGCCCCACCTGCATGCAGGAC
CTGGGCAGTAGCCATGGGAAGATCTGGAAGGAGAATGCTCCAGAAAACCTGGACCAGAAGCTGCCAGAG
CTCCGTGGAGTGGGTGATCCTGCCATGATCCTCTGATACCTCCTACCTGTCTCTAGAGGAAGAATG
ATTAAATGGTTCTGGGATTCAGCTGAGGAGGGCTACAGGACCTACCACATGGATGAGTATGATGAGGAC
AAGAACCCAGTGGCATCATTAACCTGGGCACCACTGAGAACAACCTCTGCTTTGACCTGCTGCTCTGG
CGGCTGAGTCAGCGGACATGCAGAGGGTGGAGCCATCCCTGCTGCAGTATGCTGACTGGAGGGGACAT
CTGTTCTCCGGGAGGAAGTGGCCAAGTTCCTGTCTTTCTACTGCAAGAGCCAGTACCCCTCAGACCA
GAGAATGTGGTTGCTGAATGGTGGTGCCTCGCTCTTCTGCTCTGGCCACGGTGTGTGTGAGGCC
GGGGAGGCTTTCTGATCCCCACCCCTTACTATGGCGCTATCACACAGCACGTGTGTCTCTATGGCAAC
ATCCGGCTGGCCTATGTCTACCTGGACAGTGAAGTCACTGGGCTAGACACACGCCCTTCCAGCTCACA
GTGGAGAAGCTGGAGATGGCCCTGAGAGAAGCTCACTCTGAGGGTGTGAAGGTCAAAGGCCCTCATCCTC
ATCAGCCCCCAGAACCCTCTGGGTGATGTATACTCCCCTGAAGAGCTACAGGAGTACCTGGTATTTGCC
AAGAGGCACAGGCTGCATGTGATTGTGGATGAGGTCTACATGCTGTCCGTGTTTGAGAAGTCTGTTGGG
TACCGCAGTGTCTAAGCCTGGAAAGGCTCCCTGACCCCCAGAGGACCCATGTGATGTGGCAACCAGC
AAGGACTTCGGGATGTCTGGGCTCCGCTTTGGCACGCTGTACACAGAAAACCAGGATGTGGCCACTGCC
GTGGCTTCCCTCTGCCGTACCACGGCTCAGTGGCTTGGTCCAGTACCAGATGGCACAGCTGCTCCGG
GACCGTGACTGGATCAACCAGGTGTACCTGCCGAAAACCATGCCCGGCTCAAGGCTGCCACACCTAT
GTCTCAGAAGAGCTTAGGGCATTGGGGATCCCCTTCTTGAGTCGTGGGGCTGGCTTCTTCATCTGGGTT
GACCTTGAGAAAGTACCTGCCAAGGGCACCTTTGAGGAGGAAATGCTGCTCTGGCCCGCTTTTTGGAC
AACAAAGTGCTGTCTTTGGCAAGGCTTCGAGTGTAAAGAGCCTGTTGGTTTCGCTTTGTCTTC
TCAGACCAGTCCACCGCTTTGCCGTTGGGATGCAGAGGGTCCAGCAGGTGCTTGCAGGCAAATCCCAA
GTGGCAGAAGACCCCGTCCCTCTCAGAGCCAGGAGCCAAGTGACCAACGCAGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001127219

Insert Size: 1506 bp

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001127219.1](#)

RefSeq Size: 1900 bp

RefSeq ORF: 1506 bp

Locus ID: 84680

UniProt ID: [Q96QU6](#)

Cytogenetics: 11p11.2

MW: 57.3 kDa

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]
Transcript Variant: This variant (2) uses a different splice site in its 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.