

Product datasheet for **SC305553**

ACP4 (NM_033068) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACP4 (NM_033068) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACP4
Synonyms:	ACPT; AI1J
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305553 representing NM_033068. Blue=Insert sequence Red=Cloning site Green=Tag(s)

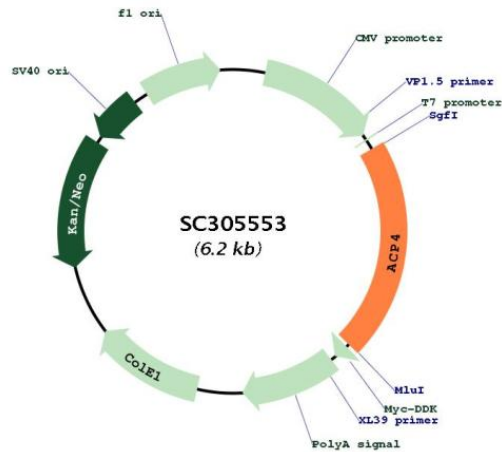
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CCCCGGGCCCTGCCAGAAGGACCCTGGTGTTCGTGGCTCTGGTATTCCGCCATGGCGACCGGGCCCCG
CTGGCCTCTACCCCATGGACCCACACAAGGAGGTGGCCTCCACCCTGTGGCCACGAGCCCTGGGCCAG
CTGACCACGGAGGGGTCCGCCAGCAGCTGGAGCTGGCCCGCTTCTGAGGAGCCGCTACGAGGCCCTTC
CTGAGTCCGGAGTACCGCGGGAGGAGGTACATCCGCAGCACGGACTTGACCGCACGCTGGAGAGT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_033068

Insert Size: 1281 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_033068.2](#)

RefSeq Size: 1347 bp

RefSeq ORF: 1281 bp

Locus ID: 93650

UniProt ID:	<u>Q9BZG2</u>
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Riboflavin metabolism
MW:	46.1 kDa
Gene Summary:	<p>Acid phosphatases are enzymes capable of hydrolyzing orthophosphoric acid esters in an acid medium. This gene is up-regulated by androgens and is down-regulated by estrogens in the prostate cancer cell line. This gene exhibits a lower level of expression in testicular cancer tissues than in normal tissues. The protein encoded by this gene has structural similarity to prostatic and lysosomal acid phosphatases. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the full length isoform a.</p>