

Product datasheet for SC119429

Prostatic Acid Phosphatase (ACPP) (NM_001099) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prostatic Acid Phosphatase (ACPP) (NM_001099) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACPP
Synonyms:	5'-NT; ACP-3; ACP3
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001099, the custom clone sequence may differ by one or more nucleotides

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ATGAGAGCTGCACCCCTCCTCTGGCCAGGGCAGCAAGCCTTAGCCTTGGCTTCTGTTTCTGCTTTTTT
TCTGGCTAGACCGAAGTGTACTAGCCAAGGAGTTGAAGTTTGTGACTTTGGTGTTCGGCATGGAGACCG
AAGTCCCATTGACACCTTCCCCTGACCCCAAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACCT
ACCCAGCTGGGCATGGAGCAGCATTATGAACTGGAGAGTATATAAGAAAGAGATATAGAAAATCTTGA
ATGAGTCTATAAACATGAACAGGTTTATATTCGAAGCACAGACGTTGACCGGACTTTGATGAGTGCTAT
GACAAACCTGGCAGCCCTGTTTCCCCCAGAAGGTGTGAGCATCTGGAATCCTATCCTACTCTGGCAGCCC
ATCCCGGTGCACACAGTTCCTCTTTCTGAAGATCAGTTGCTATACCTGCCTTTCAGGAACTGCCCTCGTT
TTCAAGAACTTGAGAGTGAGACTTTGAAATCAGAGGAATTCAGAAAGAGGCTGCACCCCTTATAAGGATTT
TATAGCTACCTTGGGAAAACCTTTCAGGATTACATGGCCAGGACCTTTTGGAAATTTGGAGTAAAGTCTAC
GACCCTTTATATTGTGAGAGTGTTCACAATTTCACTTTACCCTCCTGGGCCACTGAGGACACCATGACTA
AGTTGAGAGAATTGTGAGAATTGTCCCTCCTGTCCCTCATGGAATTCACAAGCAGAAAGAGAAAATCTAG
GCTCCAAGGGGGTGTCTGGTCAATGAAATCCTCAATCAGATGAAGAGAGCAACTCAGATACCAAGCTAC
AAAAAACTCATCATGTATTCTGGCATGACACTACTGTGAGTGGCCTACAGATGGCGCTAGATGTTTACA
ACGGACTCCTTCCCTATGCTTCTTGGCACTTGACGGAATTGTACTTTGAGAAGGGGGAGTACTTTGT
GGAGATGTACTATCGGAATGAGACGCAGCAGCAGCCGTATCCCTCATGTACTCTGGCTGCAGCCCCAGC
TGTCCTCTGGAGAGGTTTGTGAGCTGGTTGGCCCTGTGATCCCTCAAGACTGGTCCACGGAGTGTATGA
CCACAAACAGCCATCAAGGTAAGTACTGAAGACAGTACAGATTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001099 unedited GGCGTTCCGGGATATGTATACGACTCCTATAGGGCGGCCGCGATTCCGGCACCAGCTAACTC CTGCCAGAAACAGCTCTCCTCAACATGAGAGCTGCACCCCTCCTCCTGGCCAGGGCAGCA AGCCTTAGCCTTGGCTTCTTGTCTTCTGCTTTTTTTCTGGCTAGACCGAAGTGTACTAGCC AAGGAGTTGAAGTTTGTGACTTTGGTGTTCGGCATGGAGACCGAAGTCCCATTGACACC TTTCCCCTGACCCATAAAGGAATCCTCATGGCCACAAGGATTTGGCCAACCTACCCAG CTGGCATGGAGCAGCATTATGAACTTGGAGAGTATATAAGAAAGAGATATAGAAAATTC TTGAATGAGTCCCTATAAACATGAACAGTTTATATTGGAAGCACAGACGTTGACCGGACT TTGATGAGTGCTATGACAAACCTGGCAGCCCTGTTTCCCCCAGAGGTGTCAGCATCTGG AATCCTATCCTACTCTGGCAGCCATCCCGGTGCACACAGACCCTCTTCTGAAGATCAG TTGCTATACCTGCCTTTCAGGAACTGCCCTCGTTTTCAAGAACTTGGAGTGAGACTTTG AAATCAGAGGAATTCAGAAAGAGGCTGCACCCTATAAGGATTTTATAGTACCTTGGGA AAACTTTCAGGATTACATGGCCAGGACCTTTTTGGAATTTGGAGTAAAGTCTACGACCCT TTATATTGTGAGAGTGTTCACAATTTCACTTTACCCTCCTGNNGCCACTGAGACACCATG ACTAAGTTGAGAGAATGCAGAATTGTCCTCCTGTCCCTCTATGGNAATTCACAGCAGA AAGAGAAATCTATGCTCCAAGGNNGGTGTCTGNTCAATGAAATNCCTCCATCCATGAA GAGAGCAACTCAGATACCAAGCTACAAAAT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001099 unedited ACTCTGAACCGCGCCGTCATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTGAAGTTC CTAATAATGACTTTATTTCACTATTTTACATTTGGCTCACTGCTAGAAGACAGTTACAAGC ATAGAAAATGGACCCAAGGACAAACATTTACTTGGGAGGGAAATAACACAAAGAAGCATA TCAATCGATGTCTTGTGAGTATTCTGTGACCAACCAGGAGCGGGGATGGCTTTGCTCT AGATTCTGGCAGCCAGTAGAAACCATCTCTAGAAACCATCTCATCTTTATCCATAATGGT AATAGAGCACAGTGTCTCTAGACATGTAGATCTGCCACATGGCAAAGCTATATCATGAT TTCTTCTTGACAGAGTGGGAGTTTCAGCAGGACCTGTAAGTTTGTAGTTTCTGAAG ATATCGCATTAAAGACTTACACATTCCTTTTGCCTCCTAACGTATTTTCGTAACCACAC TCTCAACATTCGAATAAGTTTTGAACTTGGAGGCACTTAGAACATAATTACATTTCTAAT TTTGTTCAGTTTGATATGTGTCCCTTCCTTTTGGTAGAGACAGTGTCTCACT ATGTTGACCAGGCTGGTCTTGAACACACCAGGCCTAAAGTGATCCTCCTGCCTCAGCCTT CCAAAATGCAAGGATTACAGGTGTGAGCCACTGTGCCTGGCCTATACTTCTTTCTTAAT CAACTTGNTTTTATTTATTTAATTTATTTATTTATTTATTTATTTAATTATG GAGACAGGTCTCGCTCTTGGCCCTGGCTGGAGTACAGTAGTGCACCTCTGGGCTCACTG TAGCCTCGACCTCCGGGGCTCAAGTGATCCTCCTGCCTTAGCCACAAGTAGTGGGACTA TTAGCACCCACCACATGCCATCTAAGTTTTGATTTTATGTA AAAACCCAGTTCACCAT GTTGCCAGGCTGATCTTGACCTCTGAGCTCAGTGATCTG
Restriction Sites:	NotI-NotI
ACCN:	NM_001099
Insert Size:	3100 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:	A TrueClone.
RefSeq:	NM_001099.2 , NP_001090.2
RefSeq Size:	3089 bp
RefSeq ORF:	1161 bp

Locus ID: 55

UniProt ID: [P15309](#)

Domains: acid_phosphat

Protein Families: Druggable Genome, Phosphatase, Transmembrane

Protein Pathways: Riboflavin metabolism

Gene Summary: This gene encodes an enzyme that catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is synthesized under androgen regulation and is secreted by the epithelial cells of the prostate gland. An alternatively spliced transcript variant encoding a longer isoform has been found for this gene. This isoform contains a transmembrane domain and is localized in the plasma membrane-endosomal-lysosomal pathway. [provided by RefSeq, Sep 2008]
Transcript Variant: This variant (1) represents the predominant transcript and encodes the shorter, secreted isoform (PAP).