

## Product datasheet for **SC216714**

### PAICS (NM\_006452) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PAICS (NM_006452) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PAICS
Synonyms:	ADE2; ADE2H1; AIRC; PAIS
ACCN:	NM_006452
Insert Size:	1874 bp



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**Insert Sequence:** >SC216714 3' UTR clone of NM\_006452  
 The sequence shown below is from the reference sequence of NM\_006452. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

TCCTTGAAGCAGGCTGACAAGAAAATCAGAGAATGTAATTTA**TAAG**AAGAAGATGCCATTGAATTTTTTGTAG  
 GGGAAAAACTACAAATTTCTAATTTAGCTGAAGGAAAATCAAGCAAGATGAAAAGGTAATTTTAAATTAG  
 AGAACACAAAATAAATGTATTAGTGAATAAATGCTTCTCTAGATCCATATTAATAAATGAGCATCTAA  
 CCCCTCCTTTCTTAGGCTAGACACCAAGATATTTAGCCAGCCTTTATCATTCTCTTACTTTATCCTTT  
 TTCCTTAAGTATTGGTGGTCACTACTATTGAGTTTCTCCTAACACTGATTAATGATCTTAACTCCCT  
 CAGCTAAAAGTGGCATTACTGACTCCCAGCTATATTTCTCCAGACTTGCATTTTTTTTTTTTTTTTGTAG  
 ACAGGGTCTCACTGTCGCCAGGCTGGAGTGCAGTGGCGTGATCTCAGTTCAGTCTGCTTCCCTCCTG  
 GGCTCAAGCAGTTCTCCACCTCAGCCTCTCGACTAACAGGGACTATAATCTTGACGACCATGCCGAGC  
 TAATTTATTTTTGTAGAGATGAGCTCTCACTATGTCACCCAGGTTCTGCTCAAACCTGAAACCTAG  
 TAATTTCTCTATCTCAGCCTCCCAAAGTGTAGGGTTACAGACATGAGCCACTGTGCCTGTCTAGACTTG  
 TACTTTCAACTGTCCATTTCTCCTGTCTGTCCATGGGCACTCATGAAAAACAGAATGCTCCCAACTT  
 TATTCATCTTCCAAGCCTGTAGCTCTTGGTATACTCACTGTTGCAAGTCAAGAGCTTGATTTTCATCATTG  
 ATGTTTTCTCACGTTTACATCTCACTCATCACCAAGTCAATGTTGGTGTAAATTTCTGATTAACCCCTG  
 AATTTACCGTCTTCTCATCTCTGTACAAAAGCCTCAAGTGAAGGTCAAATTAACATTAATCTGATCTA  
 GACAGCCCCATTCTCAATCCACCTTTTCCAAGTTGATTGCCAAGGACTTCTAACAATAAATCTCTT  
 TTGCACCACAGACTTCTTTGAAAATATACATGCTGTTGACCCTCTCTGTAGAAAACCGCACACATAAAAC  
 TTACCAACAGATTTTATTGGTTCTGGGTTCTCCCGAAGCCTATCCATGGTTTATAGATTAAGAATTGAT  
 GAGGTAGCTGGGCACAGTGGCTCACACCTACGATCACAGCACTTCGGGAGGCTGAAGCAAGCAGATCACT  
 TGAGGTGAGGAGTTTGGAGACCAGCCTGGCCAACATGGTGAACCCCTGTCTCTACTAAAAATACAAAAAGT  
 AGCCAGCCGTGATGACAGGCACCTGTAATCCCAGCTACTCGGGAGGCTGAGGCATGAGAATTGCTTGAAC  
 CCGGGAGGCGGAGGTTGAGTGAAGCCTAGATCATGCCACTGCACTCCAACCTGGGCAGCAGAGCAAGACT  
 CTGTCTCAAAAAGGGGAAAAAAAATTGCTGATGTGACCCATGAAGGGAAGTCAATTTTCTCGTAATTTT  
 GGACTGCCACACATTGGTACCTTTAGTTCTCTGAAGGCCACGTTTTTATCATTAAAGACCTATTTGTTAG  
 CTAGTAGAGCTTTATGTTGCTGTCATGAAACCTTCTGTAACACAGTACTACAAGTACTTTCTTCTC  
 TATTGAATTATTAGGTCCAGAATAGAAGATGTCATTGTACACTTTATTTCCCTCACACTGTGTTATGCTC  
 TGATGTGCTATGCTTAGCTATCTGTCAGAGATTAGTAAATTATAAAACTCATGTGTACTACTTAAGTTTA  
 TATCTTATGCTAGTTTATAAGAACAATTAAGGACTTAGAAGATTAACTTTGG

**ACGCGT**AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_006452.3](#)

**Summary:**

This gene encodes a bifunctional enzyme containing phosphoribosylaminoimidazole carboxylase activity in its N-terminal region and phosphoribosylaminoimidazole succinocarboxamide synthetase in its C-terminal region. It catalyzes steps 6 and 7 of purine biosynthesis. The gene is closely linked and divergently transcribed with a locus that encodes an enzyme in the same pathway, and transcription of the two genes is coordinately regulated. The human genome contains several pseudogenes of this gene. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

10606