

Product datasheet for **SC216715**

PAICS (NM_001079525) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PAICS (NM_001079525) Human 3' UTR Clone
Symbol:	PAICS
Synonyms:	ADE2; ADE2H1; AIRC; PAIS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001079525
Insert Size:	1874 bp



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Insert Sequence: >SC216715 3' UTR clone of NM_001079525
 The sequence shown below is from the reference sequence of NM_001079525. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

TCCTTGAAGCAGGCTGACAAGAAAATCAGAGAATGTAATTTA**TAAG**GAAAGAATGCCATTGAATTTTTTGTAG
 GGGAAAAACTACAAATTTCTAATTTAGCTGAAGGAAAATCAAGCAAGATGAAAAGGTAATTTTAAATTAG
 AGAACACAAAATAAATGTATTAGTGAATAAATGCTTCTCTAGATCCATATTAATAAATGAGCATCTAA
 CCCCTCCTTTCTTAGGCTAGACACCAAGATATTTAGCCAGCCTTTATCATTCTCTTACTTTATCCTTT
 TTCCTAAGTATTGGTGGTCACTACTATTGAGTTTCTCCTAACACTGATTAATGATCTTAACTCCCT
 CAGCTAAAAGTGGCATTACTGACTCCCAGCTATATTTCTCCAGACTTGCATTTTTTTTTTTTTTTTGTAG
 ACAGGGTCTCACTGTCGCCAGGCTGGAGTGCAGTGGCGTGATCTCAGTTCAGTCTGCTTCCCTCCTG
 GGCTCAAGCAGTTCTCCACCTCAGCCTCTCGACTAACAGGGACTATAATCTTGACGACCATGCCGAGC
 TAATTTATTTTTGTAGAGATGAGCTCTCACTATGTCACCCAGGTTCTGCTCAAACCTGAAACCTAG
 TAATTTCTCTATCTCAGCCTCCCAAAGTGTAGGGTTACAGACATGAGCCACTGTGCCTGTCTAGACTTG
 TACTTTCAACTGTCCATTTCTCCTGTCTGTCCATGGGCACTCATGAAAAACAGAATGCTCCCAACTT
 TATTCATCTTCCAAGCCTGTAGCTCTTGGTATACTCACTGTTGCAAGTCAAGAGCTTGATTTTCATCATTG
 ATGTTTTCTCACGTTTACATCTCACTCATCACCAAGTCAATGTTGGTGTAAATTTCTGATTAACCCCTG
 AATTTACCGTCTTCTCATCTCTGTACAAAAGCCTCAAGTGAAGGTCAAATTCACATTATCCTGATCTA
 GACAGCCCCATTCTCAATCCACCCTTTTCCAAGTTGATTGCCAAGGACTTCTAACAATAAATCTCTTT
 TTGACCCACAGACTTCTTTGAAAATATACATGCTGTTGACCCTCTCTGTAGAAAACCGCACACATAAAAC
 TTACCAACAGATTTTATTGGTTCTTGGTTCTCCCGAAGCCTATCCATGGTTTATAGATTAAGAATTGAT
 GAGGTAGCTGGGCACAGTGGCTCACACCTACGATCACAGCACTTCGGGAGGCTGAAGCAAGCAGATCACT
 TGAGGTGAGGAGTTTGGAGACCAGCCTGGCCAACATGGTGAACCCCTGTCTCTACTAAAAATACAAAAAGT
 AGCCAGCCGTGATGACAGGCACCTGTAATCCCAGCTACTCGGGAGGCTGAGGCATGAGAATTGCTTGAAC
 CCGGGAGGCGGAGTTGAGTGAAGCCTAGATCATGCCACTGCACTCCAACCTGGGCAGCAGAGCAAGACT
 CTGTCTCAAAAAGGGGAAAAAAAATTGCTGATGTGACCCATGAAGGGAACCTATTTTCTCGTAATTTT
 GGACTGCCACACATTGGTACCTTTAGTTCTCTGAAGGCCACGTTTTTATCATTAAAGACCTATTTGTTAG
 CTAGTAGAGCTTTATGTTGCTGTCATGAAACCTTCTGTAACACAGTACTACAAGTACTTTCTTCTC
 TATTGAATTATTAGGTCCAGAATAGAAGATGTCATTGTACACTTTATTTCCCTCACACTGTGTTATGCTC
 TGATGTGCTATGCTTAGCTATCTGTCAGAGATTAGTAAATTATAAAACTCATGTGTACTACTTAAGTTTA
 TATCTTATGCTAGTTTATAAGAACAATTAAGGACTTAGAAGATTAACCTTTGG

ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCG

Restriction Sites: Sgfl-Mlul

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_001079525.1](#)

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