

## Product datasheet for RN210919

### Paics (NM\_080910) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Paics (NM_080910) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Paics
Synonyms:	Ade2h1; Airc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN210919 representing NM_080910 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGACAGCTGAAGTACTGAACATCGGGAGAAAGCTGTATGAGGGTAAAACAAAGGAAGTCTATGAAT  
TGTTAGACAGTCCAGGAAGAGTCTCCTGCAGTCCAAGGACCAGATTACAGCAGGAAATGCAGCTAGAAA  
GAACCACTGGAAGGCAAAGCCGCCATCTCCAATAAGATCACCAGCTGCATATTTTCAGTTGTTACAGGAA  
GCTGGTATAAAAACTGCTTTACCAAGAAATGTGGGGAGACTGCTTTCATTGCACCCAGTGTGAAATGA  
TTCCAATTGAGTGGGTATGCCGAAGAATCGCCACTGGATCTTTTCTCAAAGGAACCCCTGGTGTGAAGGA  
GGGGTATAGGTTTTATCCACAAAAGTAGAGATGTTCTTCAAGGATGATGCCAATAACGACCCACAATGG  
TCTGAGGAGCAACTCATCGCTGCAAAAATTTTGTGGTGGACTCGTTATAGGGCAAAGTGAAGTGGATA  
TCATGAGTCATGCCACACAAGCTATTTTGAATTTCTGGAGAAATCCTGGCTGCCCAAAGTGTACGCT  
GGTTGATATGAAGATTGAGTTTGGCGTTGATGTAACCACCAAAGAGATTGTTCTTGCTGATGTCATAGAT  
AATGATTCCTGGAGACTATGGCCATCAGGAGATCGGAGCCAGCAGAAAGACAAACAGTCTTATCGGGATC  
TCAAAGAAGTAACTCGGAAGGACTCCAGATGGTAAAGAAGAACTTTGAGTGGGTTGCAGACCCGAGTGGA  
GTTGCTTCTCAAGTCAAACAGTCAAGTGCAGGGTGGTAGTCTGATGGGGTCGACCTCTGACCTTGGTCCAC  
TGTGAAAAAATTAAGAAGGCTTGTGAAAATTTGGGATTCATGTGAACTTAGAGTAACATCTGCACATA  
AAGGACCAGATGAACTTTGAGGATTAAGCAGAATATGAAGGGGATGGCATACTACTGTATTTGTTCGC  
AGTGGCGGGCAGGAGCAATGGACTGGGCCAGTGTCTGGTAACTGCATACCCGGTTATCAGCTGT  
CCCCAATCACAGCAGACTGGGGTGTCTCAGGATGTGTGGTCTCTCGACTGCCAGTGGTATTGGCT  
GTTCAACTATACTTTCTCCAGAAGGATCAGCCAGTTTGTGCTCAGATATTTGGGTTAAACAACCATTT  
GGTGTGGCCAACTTCGAGCGAGCAAAGTGAACACGTGGATATCCTTAAAGCAGGCTGATAAGAAAATC  
AGAGAGTCAATTTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_080910
<b>Insert Size:</b>	1278 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_080910.3</a></u> , <u><a href="#">NP_543186.1</a></u>
<b>RefSeq Size:</b>	1994 bp
<b>RefSeq ORF:</b>	1278 bp
<b>Locus ID:</b>	140946
<b>UniProt ID:</b>	<u><a href="#">P51583</a></u>
<b>Cytogenetics:</b>	14p11
<b>Gene Summary:</b>	bifunctional enzyme that catalyzes the 6th and 7th step in de novo purine nucleotide synthesis [RGD, Feb 2006]