

Product datasheet for **MR206778**

Paics (NM_025939) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Paics (NM_025939) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Paics
Synonyms:	2610511I09Rik; ADE2H1; AIRC; PAIS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206778 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACAGCCGTAGTAGTGAACATCGGGAAGAAGCTCTACGAGGGTAAAAAAAAGAAGTCTATGAGT
 TGTTAGACACCCAGGCAGAGTCTCTCGAGTCCAAGGACCAGATCACAGCAGGGAATGCAGCTAGGAA
 GAACCACTGGAAGGCAAAGCCGCCATCTCCAACAAGATCACCAGCTGCATATTTTCAGTTGTTACAGGAA
 GCTGGTATAAAAACTGCTTTCACCAAGAAATGCGGGGAGACTGCTTTCATTGCACCCAGTGTGAAATGA
 TCCCCATTGAGTGGGTGTGCCGAAGAATAGCAACTGGGTCTTTCCTCAAAGGAACCCTGGGGTACAGGA
 GGGGTACAAGTTCTATCCACCAAAAGTGGAGATGTTCTCAAGGACGATGCCAATAATGATCCACAGTGG
 TCTGAGGAGCAACTATTGCTGCAAAATCTGTTTTGCTGGCCTTGTTATAGGGCAGACTGAAGTGGACA
 TCATGAGTCATGCCACACAAGCTATTTTTGAAATCTGGAGAAAATCTGGCTGCCCCAGGACTGTACGCT
 GGTGATATGAAGATTGAATTTGGTGTGATGTAAACCACCAAGAGATTGTTCTTGCTGATGTCATTGAT
 AATGATTCCTGGAGACTATGGCCATCGGGAGATCGGAGCCAGCAGAAGGACAAACAGTCTTACCGTGATC
 TCAAAGAAGTAAGTCCAGAAGGACTCCAGATGGTAAAGAAAAACTTTGAGTGGGTTGCAGACCGAGTGG
 GTTGCTTCTCAAGTCAGACAGTCAGTGCAGGGTGGTAGTGTGATGGGCTCCACCTCTGACCTTGGTCC
 TGTGAGAAAAATTAAGAAGGCTTGTGGAAATTTGGGATCCATGTGAACTTAGAGTAACATCTGCGCATA
 AAGGACCAGATGAGACTTTGAGGATTAAGCAGAATATGAAGGGGATGCCATACCTACTGATTTGTCTC
 TGTGGCGGGCAGAAGCAATGGTCTAGGCCAGTGTCTGGCAACTGCATATCCGGTTATCAGCTGT
 CCCCAGTACACACAGACTGGGGCGCTCAGGATGTGTGGTATCTCTTCGACTGCCAGTGGTATTGGCT
 GTTCAACTATACTTTCTCAGAAGGATCAGCTCAGTTTGTGCTCAGATATTTGGGTTAAACAATCATT
 GGTGTGGGCCAAACTTCGAGCGAGCATATTAACACGTTGATATCCTTAAAGCAGGCTGATAAGAAGGTC
 AGACAATGCAATTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206778 protein sequence
 Red=Cloning site Green=Tags(s)

MATAVVVNI GK KLYEGKTK EYELL DTPGRVLLQSKDQITAGNAARKNHLEGKAAISNKITSCIFQLLQE
 AGIKTAF TKKCGETA FIA PQCEMIPIEWVCRRIATGSFLKRNPVQEGYKFYPPKVEMFFKDDANNDPQW
 SEEQLIAAKFCFAGLVIGQTEVDIMSHATQAI FEILEKSWLPQDCTLVDMKIEFGVDVTTKEIVLADVID
 NDSWRLWPSGDRSQKDKQSYRDLKEVTPEGLQMVKKNFEWVADRVELLLKSDSQCRVVVLMGSTSDLGH
 CEKIKKACGNFGIPCELRVTS AHKGPDETLRIKAEYEGDIPTVFVSVAGRSNGLGPVLSGNTAYPVISC
 PPIITPDWGAQDVWSSLRLPSGIGCSTILSPEGSAQFAAQIFGLNNHLVWAKLRASILNTWISLKQADKKV
 RQCNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_025939

ORF Size: 1278 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

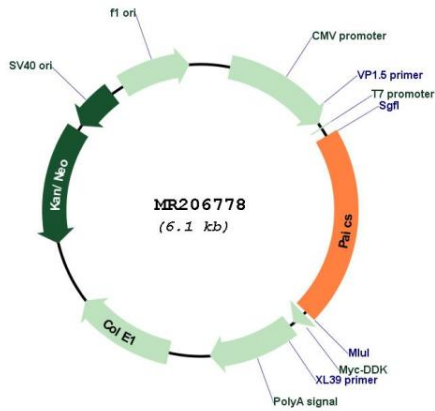
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_025939.3](#)

RefSeq Size: 2394 bp
 RefSeq ORF: 1278 bp
 Locus ID: 67054
 UniProt ID: [Q9DCL9](#)
 Cytogenetics: 5 C3.3
 MW: 47 kDa

Product images:



Circular map for MR206778