

Product datasheet for **MG206778**

Paics (NM_025939) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Paics (NM_025939) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Paics |
| Synonyms: | 2610511I09Rik; ADE2H1; AIRC; PAIS |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG206778 representing NM_025939 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACAGCCGTAGTAGTGAACATCGGGAAGAAGCTCTACGAGGGTAAAAAAAAGAAGTCTATGAGT
TGTTAGACACCCAGGCAGAGTCTCTGCAGTCCAAGGACCAGATCACAGCAGGGAATGCAGCTAGGAA
GAACCACTGGAAGGCAAAGCCGCCATCTCCAACAAGATCACCAGCTGCATATTTTCAGTTGTTACAGGAA
GCTGGTATAAAAACTGCTTTCACCAAGAAATGCGGGGAGACTGCTTTCATTGCACCCAGTGTGAAATGA
TCCCCATTGAGTGGGTGTGCCAAGAATAGCAACTGGGTCTTTCCTCAAAGGAACCTGGGGTACAGGA
GGGTACAAGTTCTATCCACCAAAGTGGAGATGTTCTTCAAGGACGATGCCAATAATGATCCACAGTGG
TCTGAGGAGCAACTCATTGCTGCAAAATCTGTTTTGCTGGCCTTGTTATAGGGCAGACTGAAGTGACA
TCATGAGTCATGCCACACAAGCTATTTTTGAAATCTGGAGAAATCCTGGCTGCCCCAGGACTGTACGCT
GGTTGATATGAAGATTGAATTTGGTGTTGATGTAACCACCAAAGAGATTGTTCTTGCTGATGTCATTGAT
AATGATTCCTGGAGACTATGGCCATCGGGAGATCGGAGCCAGCAGAAGGACAAACAGTCTTACCCTGATC
TCAAAGAAGTAAGTCCAGAAGGACTCCAGATGGTAAAGAAAACTTTGAGTGGGTGCAGACCGAGTGG
GTTGCTTCTCAAGTCAGACAGTCAGTGCAGGGTGGTAGTGCTGATGGGCTCCACCTTGACCTTGGTCAC
TGTGAGAAAATTAAGAAGGCTTGTGAAATTTTGGGATTCATGTGAACCTAGAGTAACATCTGCCATA
AAGGACCAGATGAGACTTTGAGGATTAAGCAGAATATGAAGGGATGGCATACTACTGTATTTGTCTC
TGTGGCGGCAGAAAGCAATGGTCTAGGCCAGTGTCTGTCGCAATACTGCATATCCGGTTATCAGCTGT
CCCCGATCACACCAGACTGGGGCCTCAGGATGTGTGGTCTCTCTCGACTGCCAGTGGTATTGGCT
GTTCAACTATACTTTCTCCAGAAGGATCAGCTCAGTTTGTGCTCAGATATTTGGGTTAAACAATCATT
GGTGTGGCCAAACTTCGAGCGAGCATATTAACACGTGGATATCCTTAAAGCAGGCTGATAAGAAGGTC
AGACAATGCAATTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206778 representing NM_025939
 Red=Cloning site Green=Tags(s)

MATAVVVNI GK KLYEGKTK EYELL DTPGRVLLQSKDQITAGNAARKNHLEGGKAAISNKITSCIFQLLQE
 AGIKTAF TKKCGETA FIA PQCEMIPI EWVCRRIATGSFLKRNPGVQEGYKFYPPKVEMFFKDDANNDPQW
 SEEQLIAAKFCFAGLVIGQTEVDIMSHATQAI FEILEKSWLPQDCTLVDMKIEFGVDVTTKEIVLADVID
 NDSWRLWPSGDRSQQDKQSYRDLKEVTPEGLQMVKKNF EWVADRVELLLKSDSQCRVVVLMGSTSDLGH
 CEKIKKACGNFGIPCEL RV TSAHKGPDETLRIKAEYEGDGIPTVFVSVAGRSNGLGPVLSGNTAYPVISC
 PPIITPDWGAQDVWSSLRLPSGIGCSTILSPEGSAQFAAQIFGLNNHLVWAKLRASILNTWISLKQADKKV
 RQCNL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_025939

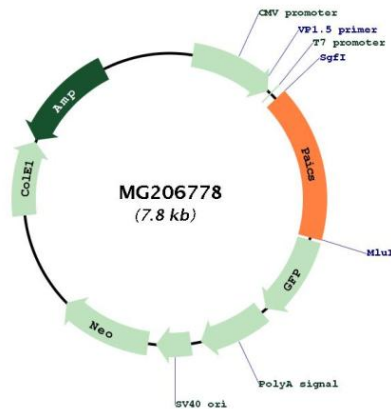
ORF Size: 1275 bp

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](#)

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| 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: | <ol style="list-style-type: none"> 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: | <u>NM_025939.3</u> |
| RefSeq Size: | 2394 bp |
| RefSeq ORF: | 1278 bp |
| Locus ID: | 67054 |
| UniProt ID: | <u>Q9DCL9</u> |
| Cytogenetics: | 5 C3.3 |

Product images:



Circular map for MG206778