

Product datasheet for **RG217986**

PAIP1 (NM_006451) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAIP1 (NM_006451) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PAIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217986 representing NM_006451
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGACGGTTTCGATCGGGCCCCAGGTGCTGGTCTGGGGCCGGAGCCGGGGCCTGGGCCCGGAGGGG
 GCGGGCCTGAGGGCGCGGTTTCCGAACGGAGCGGGGCCTGCTGAGCGGCGCGGCACCCAGCCCGCA
 ACCCAAAGCCCCGGGCTTCTGCAGCCACCGCCGCTGCGCCAGCCAGGACGACCCCGCCCGAGGGCC
 CAGTGCAGGTTCCCGCCAGCCCCAGCGGCTTCCCGGCCGGGGCGCTCCAGAGCAAACGAGGCCCC
 TGAGAGCTCCACCTAGTTCACAGGATAAAAATCCACAGCAGAAGCTCGGAGTCAGCAATGGCTAAGCCCCA
 GGTGGTTGTAGCTCCTGTATTAATGTCTAAGCTGTCTGTGAATGCCCTGAATTTTACCCTTCAGTTAT
 TCTTCCAGTTACACAGAATCCTATGAGGATGGTTGTGAGGATTATCCTACTCTATCAGAATATGTTCAGG
 ATTTTTTGAATCATCTTACAGAGCAGCCTGGCAGTTTTGAAACTGAAATGAACAGTTTGCAGAGACCT
 GAATGGTTGTGTTACAACAGATGATGCTTTGCAAGAAGTTGTGGAAGTCTATCAACAGGCCACATCT
 ATCCCAAATTTCTTATATGGGAGCTCGCCTGTGTAATTACCTGTCCCATCATCTGACAATTAGCCAC
 AGAGTGGCAACTCCGCCAATTGCTACTTCAAAGATGTCGGACTGAATATGAAGTTAAAGATCAAGCTGC
 AAAAGGGGATGAAGTTACTCGAAAACGATTTTCATGCATTTGACTCTTTCTGGGAGAACTTTATCTTAAC
 CTGGAGATCAAGGGAACAAATGGACAGGTTACAAGAGCAGATATCTTCAGGTTGGTCTTCGAGAATTGC
 TGAATGCCCTGTTTTCTAATCCTATGGATGACAATTTAATTTGTGCAGTAAAATTGTTAAAGTTGACAGG
 ATCAGTTTTGGAAGATGCTTGAAGGAAAAAGGAAAGATGGATATGGAAGAAATATTAGAGAATTGAA
 AACGTTGCTAGATGCAAACTGCAGTAGAGATGTAACAGATGCTCTTGAAGCTGTAGAAGTCCGGT
 CAAGTAACTGGGCAGAGTCCATGCAACTTCAACATATAGAGAAGCAACACCAGAAAATGATCCTAACTA
 CTTTATGAATGAACCAACATTTTATACATCTGATGGTGTTCCTTCACTGCAGCTGATCCAGATTACCAA
 GAGAAATACCAAGAATTACTTGAAGAGAGGACTTTTTTCCAGATTATGAAGAAAATGGAACAGATTTAT
 CCGGGGCTGGTATCCATACTTGGATGATATTGATGATGAGATGGACCCAGAGATAGAAGAAGCTTATGA
 AAAGTTTTGTTTGAATCAGAGCGTAAGCGAAAACAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217986 representing NM_006451
 Red=Cloning site Green=Tags(s)

MSDGFDRAPGAGRGRSRGLGRGGGPEGGGFPNGAGPAERARHQPPQPKAPGFLQPPPLRQPRTPPPGA
 QCEVPASPQRPSRPGALPEQTRPLRAPPSSQDKIPQQNSESAMAKPQVVVAPVLM SKLSVNAPEFYPSGY
 SSSYTESYEDGCEDYPTLSEYVQDFLNHLTEQPGSFETEIEQFAETLNGCVTTDDALQELVELIYQQATS
 IPNFSYMGARLCNYLSHHLTISPQSGNFRQLLQRCRTEYEVKDQAAKGDEVTRKRFHAFVFLGELYLN
 LEIKGTNGQVTRADILQVGLRELLNALFSNPMDDNLICAVKLLKLTGSVLEDAWKEKGKMDMEEIIQRIE
 NVVLDANCSRDVKQMLLKLVELRSSNWGRVHATSTYREATPENDPNYFMNEPTFYTSDGVPFTAADPDYQ
 EKYQELLEREDFFPDYEENGTDL SGAGDPYLDIDDEMDPEIEEAYEKFCLESERKRKQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006451

ORF Size: 1437 bp

OTI Disclaimer: 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_006451.5](#)

RefSeq Size: 2796 bp

RefSeq ORF: 1440 bp

Locus ID: 10605

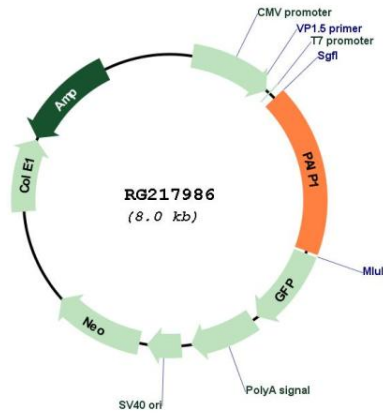
UniProt ID: [Q9H074](#)

Cytogenetics: 5p12

Domains: MIF4G

Gene Summary: The protein encoded by this gene interacts with poly(A)-binding protein and with the cap-binding complex eIF4A. It is involved in translational initiation and protein biosynthesis. Overexpression of this gene in COS7 cells stimulates translation. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG217986