

## Product datasheet for **RG202038**

### PAIP1 (NM\_183323) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PAIP1 (NM_183323) 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:**

>RG202038 representing NM\_183323  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGACGGTTTCGATCGGGCCCCAGGTGCTGGTCTGGGGCCGGAGCCGGGGCCTGGGCCCGGAGGGG  
 GCGGGCCTGAGGGCGCGGTTTCCGAACGGAGCGGGGCCTGCTGAGCGGCGCGGCACCCAGCCCGCA  
 ACCCAAAGCCCCGGGCTTCTGCAGCCACCGCCGCTGCGCCAGCCAGGACGACCCCGCCGCCAGGGGCC  
 CAGTGCAGGTTCCCGCCAGCCCCAGCGGCTTCCCGGCCGGGGCGCTCCAGAGCAAACGAGGCCCC  
 TGAGAGCTCCACCTAGTTCACAGGATAAAAATCCACAGCAGAAGCTCGGAGTCAGCAATGGCTAAGCCCCA  
 GGTGGTTGTAGCTCCTGTATTAATGTCTAAGCTGTCTGTGAATGCCCTGAATTTTACCCTTCAGTTAT  
 TCTTCCAGTTACACAGAATCCTATGAGGATGGTTGTGAGGATTATCCTACTCTATCAGAATATGTTCAGG  
 ATTTTTTGAATCATCTTACAGAGCAGCCTGGCAGTTTTGAAACTGAAATGAACAGTTTGCAGAGACCT  
 GAATGGTTGTGTTACAACAGATGATGCTTTGCAAGAAGTTGTGGAAGCTCATCTATCAACAGGCCACATCT  
 ATCCCAAATTTCTTATATGGGAGCTCGCCTGTGTAATTACCTGTCCCATCATCTGACAATTAGCCAC  
 AGAGTGGCAACTTCTGCCAATTGCTACTTCAAAGATGTCGGACTGAATATGAAGTTAAAGATCAAGCTGC  
 AAAAGGGGATGAAGTTACTCGAAAACGATTTTCATGCATTTGACTCTTTCTGGGAGAAGTTTATCTTAAC  
 CTGGAGATCAAGGGAACAAATGGACAGGTTACAAGAGCAGATATCTTCAGGTTGGTCTTCGAGAATTGC  
 TGAATGCCCTGTTTTCTAATCCTATGGATGACAATTTAATTTGTGCAGTAAAATTGTTAAAGTTGACAGG  
 ATCAGTTTTGGAAGATGCTTGAAGGAAAAAGGAAAGATGGATATGGAAGAAATATTAGAGAATTGAA  
 AACGTTGCTTAGATGCAAACTGCAGTAGAGATGTAACAGATGCTCTTGAAGCTGTAGAAGCTCCGGT  
 CAAGTAAGTGGGCAGAGTCCATGCAACTTCAACATATAGAGAAGCAACACCAGAAAATGATCCTAACTA  
 CTTTATGAATGAACCAACATTTTATACATCTGATGGTGTTCCTTCACTGCAGCTGATCCAGATTACCAA  
 GAGAAATACCAAGAATTACTTGAAGAGAGGACTTTTTTCCAGATTATGAAGAAAATGGAACAGATTTAT  
 CCGGGGCTGGTATCCATACTTGGATGATATTGATGATGAGATGGACCCAGAGATAGAAGAAGCTTATGA  
 AAAGTTTTGTTTGAATCAGAGCGTAAGCGAAAACAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG202038 representing NM\_183323  
 Red=Cloning site Green=Tags(s)

MSDGFDRAPGAGRGRSRGLGRGGGPEGGGFPNGAGPAERARHQPPQPKAPGFLQPPPLRQPRTPPPGA  
 QCEVPASPQRPSRPGALPEQTRPLRAPPSSQDKIPQQNSESAMAKPQVVVAPVLMKLSVNAPEFYPSGY  
 SSSYTESYEDGCEDYPTLSEYVQDFLNHLTEQPGSFETEIEQFAETLNGCVTTDDALQELVELIYQQATS  
 IPNFSYMGARLCNYLSHHLTISPQSGNFCQLLQRCRTEYEVKDQAAKGDEVTRKRFHAFVFLGELYLN  
 LEIKGTNGQVTRADILQVGLRELLNALFSNPMDDNLICAVKLLKLTGSVLEDAWKEKGKMDMEEIIQRIE  
 NVVLDANCSRDVKQMLLKLVELRSSNWGRVHATSTYREATPENDPNYFMNEPTFYTSDGVPFTAADPDYQ  
 EKYQELLEREDFFPDYEENGTDL SGAGDPYLDIDDEMDPEIEEAYEKFCLESERKRKQ

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_183323

**ORF Size:** 1101 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\\_183323.1](#), [NP\\_899152.1](#)

**RefSeq Size:** 2346 bp

**RefSeq ORF:** 1104 bp

**Locus ID:** 10605

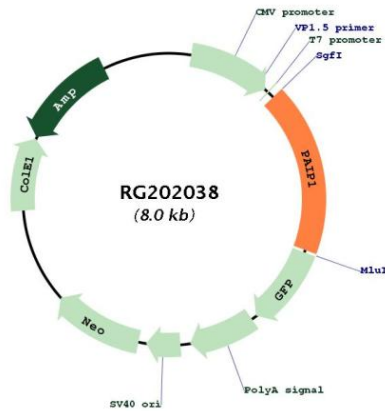
**UniProt ID:** [Q9H074](#)

**Cytogenetics:** 5p12

**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 RG202038