

## Product datasheet for **MG206277**

### Paip1 (BC019726) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Paip1 (BC019726) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Paip1
Synonyms:	PAIP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206277 representing BC019726 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGACAGTTTCGATCGGGCTCCAGAACAACGAAGCCCCAGAGAGCTCCACCTAGTTCACAGGATA  
AAATCCCACAGCAGAACTCGGAGTCAGCAATGGCTAAGCCCCAGGTGGTTGTGGCTCCTGTGTTAATGTC  
TAAGCTGTCTGCGAACGCCCGAATTTTACCCATCAGGTTATTCTTCTAATTATACAGAATCCTATGAG  
GATGGTTGTGAGGATTACCCGACTCTCTCAGAATACGTTACAGGATTTTCTGAATCATCTGACAGAACAGC  
CTGGTAGTTTTGAAACAGAAATTGAACAGTTTGCAGAAACCTGAATGGATGGGTACAACAGATGATGC  
TTTGCAAGAACTTGGAACCTTATCTACCAACAGGCCACGTCTATCCCAAATTTCTTTACATGGGAGCT  
CGCCTGTGTAATTACCTGTCTCATCTGACAATTAGTCCACAGAGTGGCAACTCCGCCAATTGCTAC  
TTCAAAGGTGCAGGACGGAGTATGAAGCTAAAGACCAAGCTGCAAAAGGGGATGAAGTACTCGAAAACG  
ATTTATGTCATTTGTTCTGTTTCTGGGAGAACTATATCTTAACCTGGAGATTAAGGAACAAATGGACAA  
GTTACAAGAGCAGATATTCTTCAGGTTGGTCTTCGGAACTGCTGAATGCTCTGTTTTCTAATCCTATGG  
ATGACAACCTAATTTGTGCAGTAAAATTGCTAAAGTTGACAGGATCAGTTTTAGAAGATACTTGGAAGGA  
AAAGGGGAAAACGTGATATGGAAGAAATAATTCAGAGAATTGAAAATGTTGCTCCTAGATGCAAACTGCAGC  
AGAGATGTAACACAGATGCTCTTGAAGCTTGTGAACCTCGATCAAGTAACTGGGTAGGGTCCATGCAA  
CTTCAACATACAGAGAAGCTACCCCTGAAAATGACCCTAACTACTTCATGAATGAACCAACATTTTATAC  
ATCTGATGGTGTTCCTTTCACTGCAGCGGACCCAGATTACCAAGAAAAGTATCAAGAGTTACTTGAAAGA  
GAGGACTTTTTTCCAGATTATGAAGAAAATGGAACAGATTTATCAGGGGCTGGTGACCCATATTTGGATG  
ATATCGATGATGAGATGGACCCAGAAATTGAAGAAGCTTATGAAAAGTTTTGTTTGAATCAGAGCGCAA  
GCGAAAACAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206277 representing BC019726  
 Red=Cloning site Green=Tags(s)

MSDSFDRAPEQTKPQRAPPSSQDKIPQQNSESAMAKPQVVVAPVLM SKLSANAPEFYPSGYSSNYTESYE  
 DGCEDYPTLSEYVQDFLNHLTEQPGSFETEIEQFAETLNGWVTTDDALQELVELIYQQATSIPNFSYMG  
 RLCNYLSHHLTISPQSGNFRQLLLQRCRTEYEAKDQAAKGDEVTRKRHFHAFVFLGELYNLEIKGTNGQ  
 VTRADILQVGLRELLNALFSNPMDNLI CAVKLLKLTGSVLEDTWKEKGMTDMEIIQRIENVVLDANCS  
 RDVKQMLLKLVELRSSNWGRVHATSTYREATPENDPNYFMNEPTFYTSDGVPFTAADPDYQEKYQELLER  
 EDFFPDYEENGTDL SGAGDPYLDIDDEMDPEIEEAYEKFCLESERKRKQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC019726

**ORF Size:** 1202 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:** [BC019726](#), [AAH19726](#)

**RefSeq Size:** 1640 bp

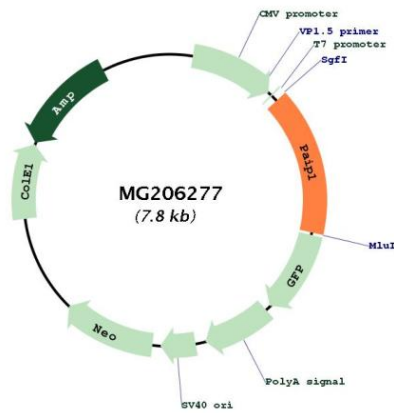
**RefSeq ORF:** 1202 bp

**Locus ID:** 218693

**Cytogenetics:** 13 D2.3

**Gene Summary:** Acts as a coactivator in the regulation of translation initiation of poly(A)-containing mRNAs. Its stimulatory activity on translation is mediated via its action on PABPC1. Competes with PAIP2 for binding to PABPC1. Its association with EIF4A and PABPC1 may potentiate contacts between mRNA termini. May also be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG206277