

Product datasheet for **MG200634**

Paip2 (NM_026420) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Paip2 (NM_026420) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Paip2
Synonyms: 2310050K10Rik; AU045972
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200634 representing NM_026420
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGATCCAAGTCGCAGCAGTACTAGCCCAAGCATCATCAATGACGATGTGATTATTAACGGTCATT
CTCATGAAGAGGATAATCCATTTGCAGAGTACATGTGGATGGAAAATGAAGAGGAATTCACAGACAAAT
AGAAGAGGAGTTGTGGGAAGAAGATTTATTGAACGCTGTTTCCAAGAAATGCTGGAAGAGGAAGAAGAA
CATGAATGGTTTATTCCAGCTCGAGATCTCCACAAACTATGGACCAAATCCAAGACCAGTTAATGACC
TTGTTATCAGTGATGGCTCTTCTGGAAGATCTGTGGTCAAGCAATCTGAATCCCAATGCAAAGGA
GTTTGTTCTGGGTGAAGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200634 representing NM_026420
Red=Cloning site Green=Tags(s)

MKDPSRSSTSPSIINDDVIINGHSHEEDNPF AEYMWENEEEEFNRIIEEELWEEEFIERCFQEMLEEEEE
HEWFIPARDLPQTMQIQDFNDLVISDGSSELDLVVKSNLNPNAKEFVPGVKY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

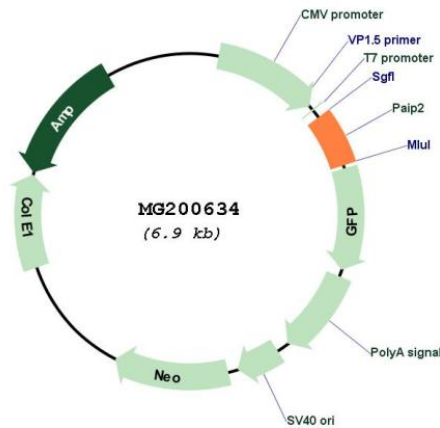


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Cloning Scheme:



Plasmid Map:



ACCN:

NM_026420

ORF Size:

372 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:	<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:	NM_026420.3
RefSeq Size:	1426 bp
RefSeq ORF:	375 bp
Locus ID:	67869
UniProt ID:	Q9D6V8
Cytogenetics:	18 B2
Gene Summary:	Acts as a repressor in the regulation of translation initiation of poly(A)-containing mRNAs. Its inhibitory activity on translation is mediated via its action on PABPC1. Displaces the interaction of PABPC1 with poly(A) RNA and competes with PAIP1 for binding to PABPC1. Its association with PABPC1 results in disruption of the cytoplasmic poly(A) RNP structure organization (By similarity).[UniProtKB/Swiss-Prot Function]