

Product datasheet for **MR200634**

Paip2 (NM_026420) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Paip2 (NM_026420) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Paip2
Synonyms: 2310050K10Rik; AU045972
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200634 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAAGATCCAAGTCGCAGCAGTACTAGCCCAAGCATCATCAATGACGATGTGATTATTAACGGTCATT
 CTCATGAAGAGGATAATCCATTTGCAGAGTACATGTGGATGGAAAATGAAGAGGAATCAACAGACAAAT
 AGAAGAGGAGTTGTGGGAAGAAGATTTATTGAACGCTGTTTCCAAGAAATGCTGGAAGAGGAAGAAGAA
 CATGAATGGTTTATTCCAGCTCGAGATCTCCACAAACTATGGACCAAATCCAAGACCAGTTTAATGACC
 TTGTTATCAGTGATGGCTCTTCTCTGGAAGATCTGTGGTCAAGACCAATCTGAATCCCAATGCAAAGGA
 GTTTGTTCTGGGTGAAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200634 protein sequence
 Red=Cloning site Green=Tags(s)

MKDPSRSSTSPSIINDDVIINGHSHEEDNPFAYMWMENEEEFNRQIEEELWEEEFIERCFQEMLEEEEE
 HEWFIPARDLPQTMQIQDQFNLDLVISDGSLEDLVVKSNLNPNAKEFVPGVKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_026420

ORF Size: 375 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_026420.3](#)

RefSeq Size: 1424 bp

RefSeq ORF: 375 bp

Locus ID: 67869

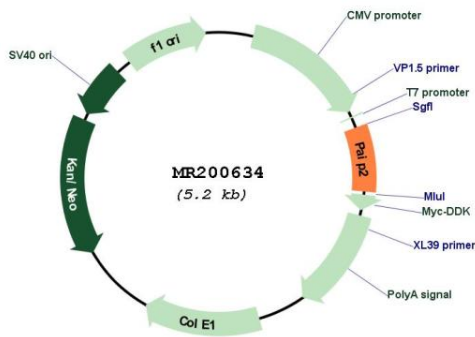
UniProt ID: [Q9D6V8](#)

Cytogenetics: 18 B2

MW: 14.7 kDa

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]

Product images:



Circular map for MR200634