

Product datasheet for RR214887

Paip2 (NM 001014148) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Paip2 (NM_001014148) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Paip2

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >RR214887 representing NM_001014148
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

dilidirecioodoloxxorxe

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214887 representing NM_001014148

Red=Cloning site Green=Tags(s)

MKDPSRSSTSPSIINDDVIINGHSHEEDNPFAEYMWMENEEEFNRQIEEELWEEEFIERCFQEMLEEEEE

HEWFIPARDLPQTMDQIQDQFNDLVISDGSSLEDLVVKSNLNPNAKEFVPGVKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



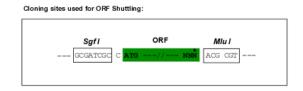
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

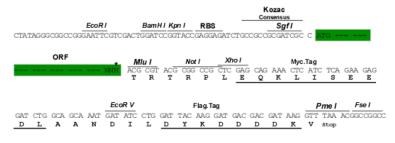
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



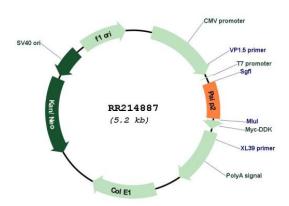
Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001014148

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



Paip2 (NM_001014148) Rat Tagged ORF Clone - RR214887

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: <u>NM 001014148.1</u>, <u>NP 001014170.1</u>

 RefSeq Size:
 1681 bp

 RefSeq ORF:
 375 bp

 Locus ID:
 361309

 UniProt ID:
 Q6AXZ0

 Cytogenetics:
 18p11

 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]