

Product datasheet for MR206277

Paip1 (NM_001079849) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Paip1 (NM_001079849) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Paip1
Synonyms:	PAIP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206277 representing NM_001079849 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGACAGTTTCGATCGGGCTCCAGAACAACGAAGCCCCAGAGAGCTCCACCTAGTTCACAGGATA
AAATCCCACAGCAGAAGCTCGGAGTCAGCAATGGCTAAGCCCCAGGTGGTTGTGGCTCCTGTGTTAATGTC
TAAGCTGTCTGCGAACGCCCCGAATTTACCCATCAGGTTATTCTTCTAATTATACAGAATCCTATGAG
GATGGTTGTGAGGATTACCCGACTCTCTCAGAATACGTTACAGGATTTTCTGAATCATCTGACAGAACAGC
CTGGTAGTTTTGAAACAGAAATTGAACAGTTTGCAGAAACCTGAATGGATGGGTCACAACAGATGATGC
TTTGCAAGAACTTGGAACCTTATCTACCAACAGGCCACGCTATCCCAAATTTCTTTACATGGGAGCT
CGCCTGTGTAATTACCTGTCTCATCTGACAATTAGTCCACAGAGTGGCAACTCCGCCAATTGCTAC
TTCAAAGGTGCAGGACGGAGTATGAAGCTAAAGACCAAGCTGCAAAAGGGGATGAAGTACTCGAAAACG
ATTTATGCATTTGTTCTGTTTCTGGGAGAACTATATCTTAACCTGGAGATTAAGGAACAAATGGACAA
GTTACAAGAGCAGATATTCTTCAGTTGGTCTTCGGAACTGCTGAATGCTCTGTTTTCTAATCCTATGG
ATGACAACTTAATTTGTGCAGTAAAATTGCTAAAGTTGACAGGATCAGTTTTAGAAGATACTTGGAAGGA
AAAGGGGAAAACGTGATATGGAAGAAATAATTCAGAGAATTGAAAATGTTGTCCTAGATGCAAACTGCAGC
AGAGATGTAACACAGATGCTCTTGAAGCTTGTGAAGCTTCGATCAAGTAAGTGGGTAGGGTCCATGCAA
CTTCAACATACAGAGAAGCTACCCCTGAAAATGACCCTAACTACTTCATGAATGAACCAACATTTTATAC
ATCTGATGGTGTTCCTTTCACTGCAGCGGACCCAGATTACCAAGAAAAGTATCAAGAGTTACTTGAAAGA
GAGGACTTTTTTCCAGATTATGAAGAAAATGGAACAGATTTATCAGGGGCTGGTGACCCATATTTGGATG
ATATCGATGATGAGATGGACCCAGAAATTGAAGAAGCTTATGAAAAGTTTTGTTTGAATCAGAGCGCAA
GCGAAAACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206277 representing NM_001079849
 Red=Cloning site Green=Tags(s)

MSDSFDRAPEQTKPQRAPPSSQDKIPQQNSESAMAKPQVVVAPVLM SKLSANAPEFYPSGYSSNYTESYE
 DGCEDYPTLSEYVQDFLNHLTEQPGSFETEIEQFAETLNGWVTTDDALQELVELIYQQATSIPNFSYMG
 RLCNYLSHHLTISPQSGNFRQLLQRCRTEYEAKDQAAGDEVTRKRFHAFVFLGELYLNLEIKGTNGQ
 VTRADILQVGLRELLNALFSNPMDNLI CAVKLLKLTGSVLEDTWKEKGTDMEEIIQRIENVVLDANCS
 RDVKQMLLKLVELRSSNWGRVHATSTYREATPENDPNYFMNEPTFYTSDGVPFTAADPDYQEKYQELLER
 EDFFPDYEENGTDL SGAGDPYLDIDDEMPEIEEAYEKFCLESERKRKQ

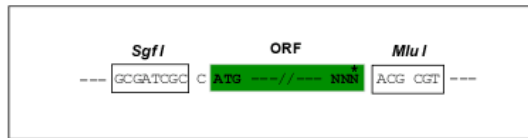
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001079849

ORF Size: 1200 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 Size: 4455 bp

RefSeq ORF: 1104 bp

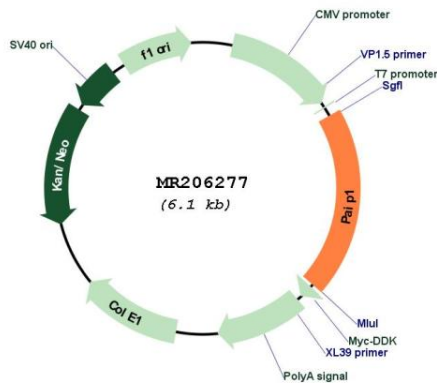
Locus ID: 218693

Cytogenetics: 13 D2.3

MW: 42.5 kDa

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 MR206277