

Product datasheet for **MR207520**

Ppan (NM_145610) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppan (NM_145610) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppan
Synonyms:	A230087P06Rik; SSF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207520 representing NM_145610
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCAGTCCGGGCGGTCCCGACATCAGAAGCGCAATCGCGCCAGGCGCAGCTCCGCAACCTCGAGT
 CCTACGCTGCACAGCCGACTCGTTTCGTGTTACGCGAGGCCGAGCGGGTCGCAATGTCCGGCAGCTCAG
 CCTGGATGTGCGGCGGGTCATGGAACCTCTCACCGCTACCCGCCTGCAGTTTCGAAAGAAGAACTCCCTG
 AAGGACTGTGTGGCAGTGGTGGCCCCCTGGGGTTCACACACTTCCTTATTTTGACAAAACAGATAACA
 GTGTATACTTGAAGCTGATGCGGCTCCCAGGAGGCCCACTTTGACGTTCCAGATCAGCAAGTATACT
 GATACGGGACGTGGTCTCTTCCCTGCGCCGACCCGGATGCACGAGCAGCAGTTTAAACCACCTCCCTC
 CTGGTGTCAACAGCTTCGGCCCCAGGGCATGCACATCAAGCTCATGGCCACCATGTTCCAGAACCTGT
 TCCCGTCCATCAACGTGCACACGGTGAACCTGAACACCATTAAGCGCTGCCTCCTATTAACATAACCC
 TGACTCCCAAGAGCTGGACTTCCGACACTACAGCGTCAAAGTGGTTCCTGGGTGCAAGCCGCGGCATG
 AAGAAGCTCTTACAGGAGAAGTTCCTAACATGAGCCGACTGCAGGACATCAGTGAGCTGCTGGCCACGG
 GTGTGGGGCTATCAGACAGTGGGTGGAGCCAGATGGAGAACACAACACCACAGAAGTGGCCAGGCTGT
 GGCCGGCCGTGGCAACATGCAGGCCAACAGAGCGCCGTCGACTTACTGAGATTGGGCCCGGATGACA
 CTGCAGCTCATTAAAGATCCAGGAGGGCGTGGGAACGGCAATGTCCTCTTCCACAGTTTTGTACACAAGA
 CAGAGGAGGAGCTGCAGGCCATCCTGGCAGCCAAGGAGGAGAAGTCCGGCTGAAGGCACAGCGTCAGAA
 CCAACAGGCAGAGAACTGCAGCGCAAGCAGGAGCTGCGCAGGCCACAAGAAGAAGAGCCTGGCAGGC
 ATAAGCGAGCCCGTGAAGGGCCGACGGTGACAGTGTGCTGAGGACCCAGGGGACCCGAGAGGAGCAG
 TGGGGGCAGGTCAGCCTGAAGATGAAGAGGATGACGCTGAGTATTTCCGCCAGGCTGTGGGGGAGGAGC
 TGACGAAGACTTGTTCCTCCACAGCGGCCAAGCGGAGACGGCAGGGGGCCCTCTGGGCAAGAAGCAGCGA
 GGAAGGAGCAGAGGCTGGTAATAAAGCCGAGGTGAGGTGGCAACTGGCAGGCTCTGAAGCTACAAG
 GTAGATCCAGAGAGGCAAGGCCAAGCCGAGACCCAGAGCCACACACCAGGACTCACGCCAGCATCAAG
 GAGAAGAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207520 representing NM_145610
 Red=Cloning site Green=Tags(s)

MGQSGRSRHRQKRNRQAQLRNLESYAAQPHSFVTRGRAGRNVRLSLDVRVMEPLTATRLQVRKKNSL
 KDCVAVAGPLGVTHFLILTKTDNSVYLKLMRLPGGPTLTFQISKYTLIRDVVSSLRRHRMHEQQFNHPPL
 LVLNSFGPQGMHIKLMATMFQNLFPSINVHTVNLNTIKRCLLINYNPDSQELDFRHYSVKVVVPGASRGM
 KKLLQEKFPNMSRLQDISELLATGVGLSDSEVEPDGEHNTTELPAVAGRGNMQAQQSAVRLTEIGPRMT
 LQLIKIQEGVGNVLFHSFVHKTEEELQAILAAKEEKLRLKAQRQQAENLQRKQELREAHKKKSLAG
 IKRARARADGSDAEDPGAPPEAVGAGQPEDEDDAEYFRQAVGEEPDEDLFPATAKRRRQGGPLGKKQR
 GKEQRPGNKGRGQGNWQALKLQGRSQRGKAKPRPRATHQDSRPASRRRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9064_h12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_145610

ORF Size: 1410 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_145610.2](#), [NP_663585.2](#)

RefSeq Size: 1671 bp

RefSeq ORF: 1413 bp

Locus ID: 235036

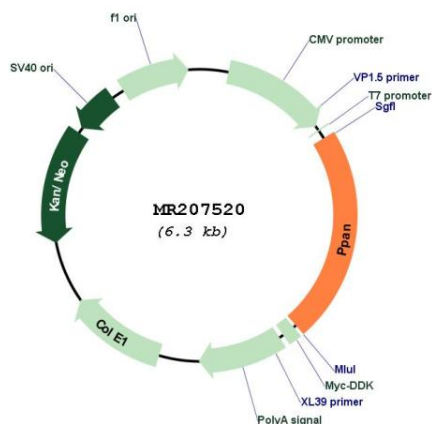
UniProt ID: [Q91YU8](#)

Cytogenetics: 9 A3

MW: 52.8 kDa

Gene Summary: May have a role in cell growth.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207520