

Product datasheet for RR217482

Palb2 (NM_001191603) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Palb2 (NM_001191603) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Palb2
Synonyms:	RGD1304759
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217482 representing NM_001191603 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGAGCTTCCGGGAAGCCCCTCAGTTGTGCGGAGAAGGAAAAGTTGAAGGAAAAGCTAGCATT
TGAGAAAGGAATACACCAAGACTTGTCTGCCTACAGCGTGCCAAAAGAGCTGAGAAGGTTAAGAACT
TAAGAAAGCAATAGAAGATTGTGTGCCAGCAGGAAATCTCCACAGCTAAGCCGCTCTGAACCTATA
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CTCAGATACTTGATGGTATCCTCAGTCTTTAACTGTGAAAGTGGCCAAGAAAGTCTTACATACACCAAG
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TACCCCAAACCTAGATCTTTAAATCTCCTGATAACATTGTTGATGGGAGAAATGAAAATCTTGAGGAA
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CCGCCCTGGCTGTTAACAGGACCAGGGCAAATTCACAAAGCATAAGTGTGAGAACAGAGACGTGATTAT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR217482 representing NM_001191603
 Red=Cloning site Green=Tags(s)

MEELSGKPLSCAEKEKLEKFLRKEYTKTLARLQRAKRAEKVKNSKKAIEDCVPQQEISPQLSRSEPI
 NKGFPDASLQSDHLDEETGENISQILDGDPQSFNCESGQEVLHTPRAGDIQGQFLHSTSSPDGKKGQSA
 FPGTTKKLRKRSSVLQEKDDFFDSSLVLPGRHQKRQETVSSKNPRAPEIEKTHLLCLKSQTDPDPALVT
 EIDGGGRLIVPSGKSERGIDTPVRGNNVSRETTVPSTASDSNHSGHLELTPPNSGCKITQGPASSINL
 VAQDKKTTIFTDNPVYKPVSAQSGLPGSPNCSVNDLTHSNLPANTTPNSRSLKSPDNIVDGRNENLEE
 DEIVGLSENLSAAVSPSTESQIHSCTMLEGLLFPAYEYVTRTRRMSDCQRKIALEAVIQSHLGVKKKE
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 DSSACSPKLDTSLVSGRQGGATCSDSGPQATPLPIESFTFREDQLCGSACLELHEHSTEQTEIADLPA
 CDSLSPGNLQLVSELKNPSSSCSVDSAMWVERAGTKEPCIIITACEDVVSLWKPLDSMQWEKVHTWHFTE
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 QQIQIMTFAEDGSSKDEQLLMPDETILTFAEVHGMQEALLGTTTVNSIIVIWNLKTGQLLKKMHIDDSYQ
 TCVCHRAYSEMGLLFIIVLSHPCAKESQAFGSPVFQLLAINPMTAQSVGVLLCSLPQQAQGRFLEGDVKDH
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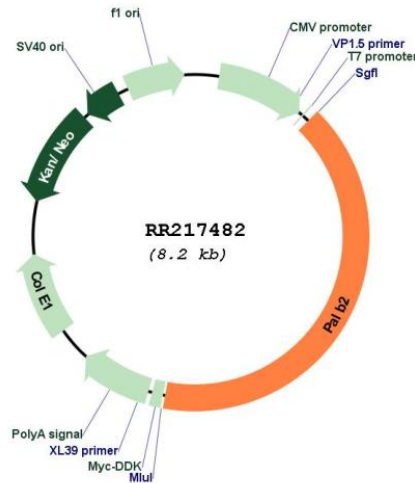
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001191603

ORF Size: 3330 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:	<u>NM_001191603.1, NP_001178532.1</u>
RefSeq Size:	3571 bp
RefSeq ORF:	3333 bp
Locus ID:	293452
Cytogenetics:	1q36
MW:	120.5 kDa