

Product datasheet for RN217482

Palb2 (NM_001191603) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Palb2 (NM_001191603) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Palb2
 Synonyms: RGD1304759
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN217482 representing NM_001191603
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGAGCTTCCGGGAAGCCCCTCAGTTGTGCGGAGAAGGAAAAGTTGAAGGAAAAGCTAGCATT
 TGAAAAGGAATACACCAAGACACTTGCTCGCCTACAGCGTGCCAAAAGAGCTGAGAAGGTTAAGAACT
 TAAGAAAGCAATAGAAGATTGTGTGCCAGCAGGAAATCTCCACAGCTAAGCCGCTCTGAACCTATA
 AATAAAGGCTTCTTGTGACGCTTCGTTACAAAGCGACCATCTTGATGAGGAGACTGGAGAAAACATCT
 CTCAGATACTTGATGGTATCCTCAGTCCTTAACTGTGAAAGTGGCCAAGAAAGTCTTACATACACCAAG
 AGCAGGTGACATCCAAGGACAATTTTTACATAGCACCAGCAGCCCTGATGGTAAGAAAGGGCAGAGTGCA
 TTTCCAGGGACAACAAAGAGCTGCGGAAGAGATCATCTGTTTTACAGGAAAAGGACGATTTCTTTGACA
 CTAGTTCTTGTGCTCCCTGGTAGGCACCAAAAAGACAGGAAACAGTCAGTAGCAAGAATCCTAGGGC
 CCCAGAAATTGAAAAGACTCACCTTTTATGTCTGAAGTCTCAAACCTGACCCTCCAGCCCTTGTTACA
 GAAATTGATGGAGGGGTAGATTAATTGTACCATCTGGCAAATCAGAAAGAGTATTGATACACCTGTGA
 GAGGAAACAATGTCTCTAGGGAGACTACAGTTCCTTTCATGTACTGCTTTCAGACAGCAATCATAGTGGACA
 CTTGAACTTACACCTCCTAACAGTGGCTGTAATAACTACTCAGGGCCCGCTTCATCCATAAACCTG
 GTGGCACAAAGACAAAAAACGACTATTTTTACAGATAACCCAGTAGTATATAAACCTGTGAGTGCTGGCA
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 TACCCAAACTCTAGATCTTAAATCTCCTGATAACATTGTTGATGGGAGAAATGAAAATCTTGAGGAA
 GATGAAATTGTTGGTCTATCTGAGAACCTCAGCCAGCAGCAGTCTCTCCTCCACAGAAAAGTCAA
 TACATTCTGTACGATGCTTGAAGGCCTCTGTTTCTGCAGAGTACTATGTTAGAACAACCCGTCGTAT
 GTCAGATTGTGAGAGAAAATAGCTCTGGAAGCTGTAATTCAAAGTCATTTGGGTGCAAGAAGAAAGAG
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 GGTGAGCTCTCCTCTGGGACCTGCCAACACAGATCTAAGAAAGCCACTGCACGGCCACCAAGGTAGAGGG
 CACAGAGAAAACGAACATCAGCCTGCACCTCCACTGGGTACCATCAGCTGCTTTTCCCTCCTTGTG



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CCGCCCTGGCTGTAAACAGGACCAGGGGCAAATTCACAAAGCATAAGTGTGAGAACAGAGACGTGATTAT
 TCATGACTTTGAATTACCCGATGAAGACTTTGGGCCTCTTAAACTTGAAAAATTGAAGTCCTACTCAGAA
 AAAGTATTGAGTCTCCTGACTCAAAAACTGTGGTGAGAGTCTTCTACAGAAGGAAAACATGCTGTTT
 TGGAGGAACTGCAGATAGATTCCGAAACAGAGGGCTTGGAAAGTGGAACTCACTGTTCTACCAGGAGAAGC
 ATGCCATCCAGGGCAACCCCTGAGATGGCAGCCAGTGAGCAAGGGCCTTCTTATCCATAGTGCCTTTT
 ACTCTACAGACACCCGCTGCACCTAACAAACAGTGACAGGTCTACTGCTCCCTGTGCTCACCTGCTTTCC
 CCGTCTTAGGCAGGACTCCAGCTTTTGGCTCCCAAGCAACCGGTGAGAATATATCTGCTGAAGCTGGACA
 GCCTTGCTCTACATCCCGACCTTCTCACTTGGGAGAAACAACAGTCTTGTAAATAAGAATAAACAGTGC
 GACAGTTCAGCCTGCTCACCAAACTGGATACCAGCCTGCAAGTGTGAGGTAGGCAAGGACAAGCTACCT
 GTGACAGTGAAGTGGCCCCAAGCAACACCTCTACCCATTGAGTCATTCACTTTTCCAGAGAAGATCAGCT
 TTGTGGAAGTGCATGCCTCGAGTTACATGAACATTCCACCGAACAGACTGAAATTGCAGATCTCCCTGCT
 TGTGACAGTTTAAAGCCAGGCAACCTACAGTTGGTTTTCAGAGTTAAAGAATCCTTCCAGTTCCTGCTCTG
 TGGATGTGAGCGCCATGTGGTGGAAAGAGCTGGTACTAAGGAGCCATGTATCATAACTGCTTGTGAAGA
 TGTAGTTTCTTTGAAACCGTTGGATTCTATGCAGTGGGAGAAAGTTCATACCTGGCACTTACAGAG
 GTTCCAGTATTACAAATAGTTCAGTGCCTGATATTTACAGTCTTATATGTGTAGCTTTGGGAAGTTTGG
 AAATCAGAGAAAACAGGGCGTTGCTGTGCTCCTCTGGTGTGAATGTGAAAAGCAAGTCCCTCTGCAATC
 TGGAGACATAAAAGCTATGCTTGGCCTGACAAAGAGGAGACTGGTTAGTAGCACTGGGACCTTTTGAAT
 CAACAAATACAAATCATGACATTTGCTGAAGATGGAAGCAGCAAAGATGAACAGCTTCTGATGCCTCCTG
 ATGAGACTATACTGACTTTTCGCTGAGGTCCACGGGATGCAGGAAGCCCTGCTTGGTACTACCAGTGTGAA
 CAGCATTGTGATCTGGAATTTAAAACTGGCAACTCCTGAAAAAGATGCACATTGATGACTCTTACCAA
 ACTTGTGCTGTGCACAGAGCCTATTCTGAGATGGGGCTCCTGTTTATTGTTCTGAGTCATCCTTGTGCCA
 AAGAGAGCCAGGCTTTGGCAGCCCCGTGTTTCAGCTGCTGGCAATTAACCTATGACAGCTCAGAGTGT
 GGGTGTCTGCTGTGCTCCCTTCTCAGGGCAGGCTGGAAGTTCTGGAAGGGGATGTGAAAGATCAT
 GTTGCAGCAGCAGTCTGACTTCTGGGACAATTGCCATTTGGGATTTGCTTCTGGGTCACTGCACCGCTC
 TCTCCACCTGTCTCTGACCAGAGTTGGTCTTTGGTTAAATGGTCAGGTACAGATTCTCACCTGTTAGC
 CGGACAAAAGGATGGAATATATTCATATACCGCTACTTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001191603
- Insert Size:** 3333 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001191603.1](#), [NP_001178532.1](#)

RefSeq Size: 3571 bp

RefSeq ORF: 3333 bp

Locus ID: 293452

Cytogenetics: 1q36