

## Product datasheet for **RR211809**

### Palm (NM\_130829) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Palm (NM_130829) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Palm
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211809 representing NM_130829 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGGTCTGGCGACAGACACTGTGTCCCAGCAGGAGCGGCTTCAAGCAATCGCTGAGAAGCGTAGGA  
AGCAGGCAGAGATTGAGAGCAAGCGGAGACAATTGGAGGATGACCGAAGACAGCTGCAGTACCTGAAGTC  
CAAGGCACCTTCGGGAACGCTGGCTGGAGGGGACACCATCCTCAGCCTCGGAGGGCGACGAGGACATG  
AGGAAGCAGATGCAGGAGGATGAACAGAAAGCCCGGAGCCTGGAGGAGTCCATCACCAGACTCGAGAAAG  
AAATTGATGTCCTGGAGTTCGGTGAGTCAAGCCAGCTGCCCAAAGGAGAACTCAGCGGCCCCAGCCC  
CATCCGGCCCCACTCTACAAGCCCCGCAAGGAGGAGCAAAAGTCAGAAACCATGGTGAACGCCAGCAG  
ACTCCACTGGGCACCCAAAAGAGAATCGAAAGTCCACACCGGTGCGGAGTCCCGGGGATCCACGATGA  
TGAAGGCAGCCATGTATTCGGTGGAGATCACGGTGGAGAAGGACAAGGTGACCGGGGAGACCAGGGTGT  
GTCCAGCACCACATTGCTCCCCGGGACCCACTCCCTCAGGGCGTAAAAGTCTACGAGGACGAAACAAA  
GTGGTCCATGCCGTGGACGGCTCTCTGAGAACGGAATCCAGCCTCTAAGTTCCTCCGAGGTGGATGAAC  
TCATTCACAAGGCCGATGAGGTCACTGAGTGAAGCCGGTCCACAACGGGCCAGCAGAGCCTCGGGG  
ACTCGCAGAGGATGTACCAGGACCACACCATCCAGAAGGGAGATCACAGGAGTCGAGGCTCAGCCAGGA  
GAGGCCACGTGAGCCCGCCAGGCATCCAGCCGGTCCAGGAGCCCGGTCAACATGGTCTTCATGGGTT  
ATCAGAAATGTGGAAGATGAAGCAGAGACCAAGAAGTACTCGGCCTGCAGGACACCATCAAGGCTGAACT  
GGTGGTGAATTGAAGACTCGGTCAACCCAGGGAGCCTGCACCACTCAATGGCAGCGCGGTGAGCTCCCA  
GCCACCAAGGAGGAGAACCAGACGGGCCACGACCACACCCAGCGACACCCAAGATCTTGACATGAAGA  
AGCCTCGCTGTAGATGCTGTTCTGTCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR211809 representing NM\_130829  
Red=Cloning site Green=Tags(s)

MEVLATDTVSQQERLQAI AEKRRKQAEIESKRRQLEDDRRQLQYLKSKALRERWLL EGPSSASEGD EDRM  
 RKQMQEDEQKARSLEESITRLEKEIDVLEFGESAPAAPKNSAAPSIRPHSTSPAKEEQKSETMVNAQQ  
 TPLGTPKENRKSTPVRSPGGSTMMKAAMYSVEITVEKDKVTGETRVLSSSTLLPRDPLPQGVKVEDETK  
 VVHAVDGLSENGIQPLSSSEVDEL IHKAEVTLSEAGSTTGPAEPRGLAEDVTRTTPSRREITGVEAQPG  
 EATSGPPGIQPGQEPVTVFMVFGYQNVDEAEATKKVLGLQDTIKAE LVVIEDSVTPREPAPLNGSAAELP  
 ATKEENQTGPTTTPSDTQDLDMKKPRCRCCSVM

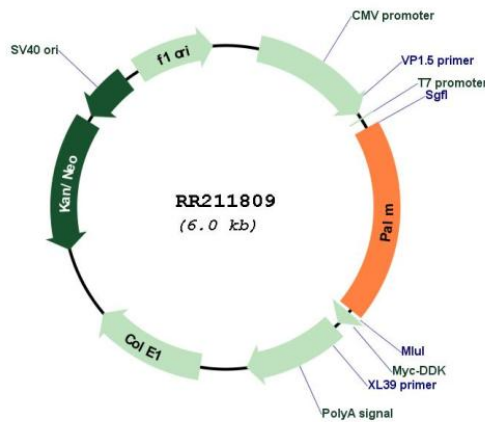
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_130829

<b>ORF Size:</b>	1149 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_130829.1</a> , <a href="#">NP_570842.1</a>
<b>RefSeq Size:</b>	2571 bp
<b>RefSeq ORF:</b>	1152 bp
<b>Locus ID:</b>	170673
<b>UniProt ID:</b>	<a href="#">Q920Q0</a>
<b>Cytogenetics:</b>	7q11
<b>MW:</b>	41.9 kDa
<b>Gene Summary:</b>	mouse homolog may play a role in the regulation of cell shape [RGD, Feb 2006]