

## Product datasheet for **MR222010**

### **Palm3 (NM\_028877) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Palm3 (NM_028877) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Palm3
Synonyms:	4432412L15Rik; AL024300
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR222010 representing NM\_028877  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCTGCAGACCCCGGTGTTGTCTCCGGCCACACCCACGGTTCATGGCGGAGAGCGCCCTCTATCGGC  
 AGCGGCTGGAGGTCATCGCTGAGAAGCGGCGGCTGCAGGAGGAGATCGGGCCCGCGCTCGCGAGCTGGA  
 GGAGGAGAACTCCGCTGGAGCGGCTCAAGAGGAAATCTCTCCGAGAACGTTGGCTCATGGACGGGCA  
 GCTGAAGGGCCAGAACGGCCGGAGGAACCCGCCTCCAAGGACCCACAGTCGCCTGAGGGACAGGCCAGG  
 CTCGAATTCGCAACCTGGAAGACAGTTTGTCTTCACTCCAGTCACAGCTACAGCTGTTGCAAAGTGCCTC  
 CACAGGTCTCAACACAGACCTGCTGGTAGGCCCGCTGGCGCAGAGAGGGTCCCGTCTCTCTCAG  
 TCTGCCATGGAAGCAGCTCCTACCGCCCGACTGATGTGACAAGCGAATTCCTGCCAGATGCTCCAG  
 TGGCATGTCCCCTGAGTCTCCTTCTGATCCCAGGGAGGAGTCGATTGCGGTTCTACCAGCTCGAGGCC  
 ATCCACTGAAGCTATAGGGACATCTTCAGAAGCCAATGGCCCTGCCCTGGGCACAGCCCTCTCCAGAG  
 CAGCTGAGTCTAGGGGTGTCGAGTGTACTAAGGCCAAAGGAGATGGTGCAGTGGAGGTGGTTTGGGCTG  
 GGCTTAGAGCCACTGAGAACAGTGCCACAGGCCCCACAGATGTGGAGCTGGAGGCTAAGGTGGAAGAAGT  
 GGTCTGGAGGCCATTGGGGCCAGGCAGGGCACCAGCAGCCCTGAGCTCCCACTTGGGTGAAGGAGGGC  
 AGGGGTGTAGTGAAGTGGTCTGGGAGGGGCTGGGAGGCAGGGATCTTGATGTCACAGGGGAGTCAGGCA  
 GGGATGCAGAGGCCACACACACACAGTCCAGGAGACTCCAGGAGCAATTTGAGGCTGAAACTTGCAGAAA  
 AGAAGAAGGTGCTCCAGAGATAGTCTTGAGGGTGTGGGAGGGAGGTCCTGGAGTAGAGGAGGGATCC  
 TTCATTTGGGTGGAGAGAGTGGCCCTCAGCGAAGACTGGGAGGAGATTTGATGGAGGGTTTGAAGCAC  
 CGCAGGGGGCAGGGTCTGCAGGAGAACCCTGAGGCTTTGATTGGAGCACAGCCAGAGGAGGTGAAGCCTC  
 CTGGGAGGTAGAGAAGAGAGAAGTAGAGAAAGTTGAGGGCATAGAAGAGAAGGGAAGGGCAGAAAAGCTC  
 GGGCAGAGAGGGAGGATGGTGTAGCTGTGCTGCCAGATGAGACCCAGGGAAGAGAGGAAAAACGAGGCAG  
 AAAAGGTAGAGAGAAAAGACAGTGAAGGGCCCTTTCCAGCAGAGATAGCAACAGATGAGGAAAAGTGGGA  
 GGTGAAAACGACGGAAGGTGAAGAGTCGTTGGAAGTAGAAAAGGGAGGTGAGGCAGAGCCGGTCACTACT  
 GAGAAGCCATTGGTGACAGAAAAAAGCCAGAGGGCTCACTGGAGACAGAGAGAAAAGGAAGTGAAGTGC  
 CATTGGACCAGGAGAAAAGATGGTGAAGGCTCATTGGACAGAGAATCAAAAACAAGTGAAGTACTATTGGA  
 TGGAGAGATAGGAGATAAGAGCTCATTGGATGAAACTAAAGGAAGCAAGAACTATTAGATGAGAAGACA  
 GGAGGTGAGGGCTCATTGGATGAAGAAGCTGAAGGAAGTAAAGAACTATTGGACAGGAGGCAGATGGCA  
 TCGAGCCATTCTGAGGTGGACAAGACCTCAGGCGCCAAGGATGATGTGAGTCCAGAAGAGCAAGGCAA  
 AGCCAACGAAGGAGCAGAGTTCAGGCGGAGGATGCCAGCCACCAGGAGCCACTGTTTGTGTCCAGGAC  
 GAGCCCAGGTGAGGAGCAAGGACAGCAAGAACCAGAGAAGCAAGAAGGCTGGTAGAAGGGGACAGCCA  
 GTAAGCCTGAGCCCTGTACTGAGCGAGAGGGTCCCCAGGGGATGCTACCCTGCTCCTAGCTGAGACCCC  
 AGCCCCGAGCAGCCTGTGGAAGCCAGCCACTGCTCCATCAGGAAGCGTCCAGCACTAACCCCTGGTGAC  
 CACCCTGCACCTACGTATGCCCTGCCAGCAGCTTGAGCTGGCTGAGGCCAAAGAAGCTAGTGGTCCCA  
 AGCAGAAGACGTGCCAGTGTGTGGTTCATG

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR222010 representing NM\_028877  
 Red=Cloning site Green=Tags(s)

MALQTPVLSPATPTVMAESALYRQRLEVIAEKRRLEQEEIGAARRELEEEKLRVERLKRKSLRERWLM DGA  
 AEGPERPEEPASKDPQSPGQAQARIRNLEDSLFLSQSQLQLLSASTGAQHRPAGRPAPWRREGPRPLSQ  
 SAMEAAPTAPTDVDRKRTSLPDAPVGMSPESPSPDPREESIAVLPASRPSTEAITGSSEANGPCPGHSPLPE  
 QLSLGVSSVTKAKGDGAVEVVWAGLRATENSATGPTDVELEAKVVEVVLEAIGARQGTSSPELPTWVKEG  
 RGVVEVWVEGLGGRDLDTGESGRDAEATHSSRRLEQEQFEAETCRKEEGASRDSLEGVGGGPGVVEEGS  
 FIWVERVALSEDWEEILMEGLEAPQGAGSAGEPEALIGAQPRGGEASWEVEKREVEKVEGIEEKGRAEKL  
 GAEREDGVAVLPDETQGREENEAEKVERKDSEGPFAEIAATDEEKWEVKTTTEGEESELEVEKGGAEPVTT  
 EKPLVTEKKPEGSLETERKGMSEPLDQEKDGEGLDRESKTTTEILLDGEIGDKSSLDDETKGSKLLDEKT  
 GGEGSLDEEAEGSKLLDREADGIEPFSEVDKTSKAKDDVSPPEQKANEAEFQAEDASPPGATVCVQD  
 EPRSEEQGGQEQEGLVEGAASKPEPCTEREGPPGDATLLLAETPAPEQPVESQPLLHQEASSTNPGD  
 HPAPTYAPAQQLELAEAKEASGPKQKTCQCCVVM

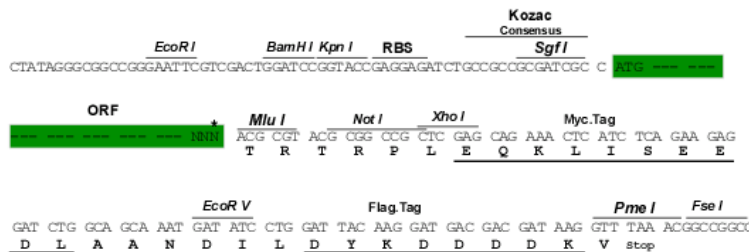
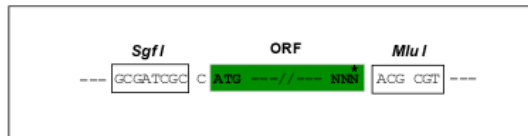
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9102\\_e08.zip](https://cdn.origene.com/chromatograms/mm9102_e08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_028877

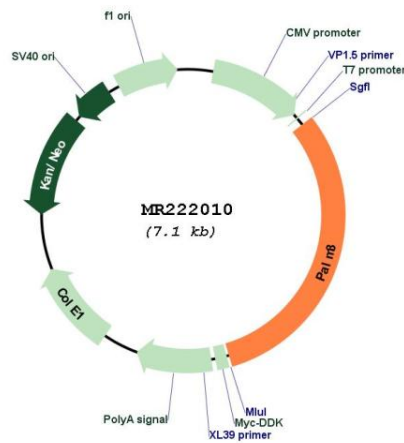
**ORF Size:** 2202 bp

**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.

<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>	<u>NM_028877.1, NP_083153.1</u>
<b>RefSeq Size:</b>	2449 bp
<b>RefSeq ORF:</b>	2205 bp
<b>Locus ID:</b>	74337
<b>UniProt ID:</b>	<u>A2TJV2</u>
<b>Cytogenetics:</b>	8 C2
<b>MW:</b>	78.8 kDa
<b>Gene Summary:</b>	ATP-binding protein, which may act as a adapter in the Toll-like receptor (TLR) signaling. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR222010