

Product datasheet for MR226340

Palm (NM_023128) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Palm (NM_023128) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Palm
Synonyms:	mKIAA0270
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR226340 representing NM_023128 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGTCTGGCAACAGACACGGCGTCCCAGCAGGAGCGGCTCAAGCCATCGCTGAGAAGCGTAGGA
AGCAGGCAGAGATTGAGAGCAAGCGGAGACAACCTGGAGGATGACCGAAGACAGCTGCAGTACCTGAAGTC
CAAGGCACTGAGGGAACGCTGGCTGCTGGAGGGGACACCATCCTCAGCCTCAGAGGGCGACGAGGACATG
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AGATCGATGTTCTGGAGTTTGGAGATCAGCCCCAGCTGCCTCAAAGGAGAATTCAGCAGCCCCAGCCC
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TCATTACAAGGCCGATGAGGTCACTGAGCGAGGCAGGTCACAGCTGGGCCAGCGGAGCCTCGGGG
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GAGGCCACATCAGGCCACCAGGCATCCAGCCCCGTCAGGAGCCCCCGGTCAACATGGTCTTCATGGGTT
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AGCCTCGCTGTAGATGTTGTTCTGTCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR226340 representing NM_023128
Red=Cloning site Green=Tags(s)

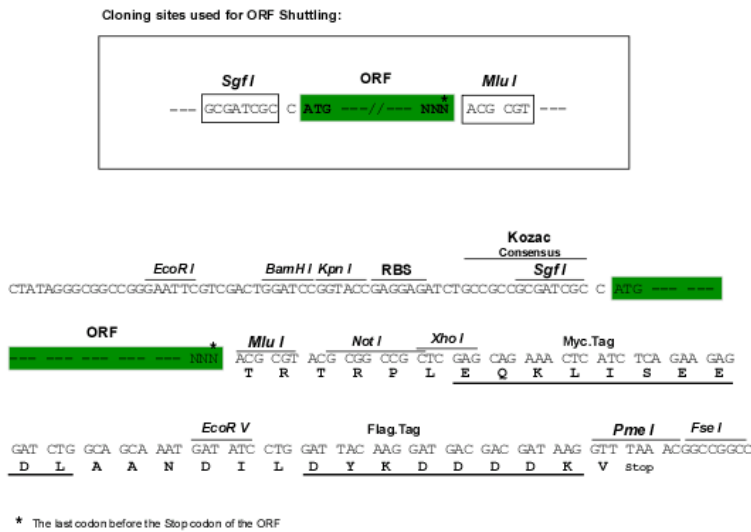
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VVHAVDGIENGIQPLSSSEVDELHKAEVTLSEAGSTAGPAEPRGLAEDVTRTTPSRREITGVEAQPG
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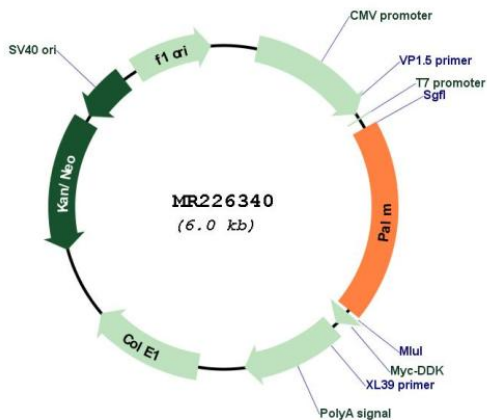
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_023128

ORF Size:	1149 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:	NM_023128.4 , NP_075617.3
RefSeq Size:	2651 bp
RefSeq ORF:	1152 bp
Locus ID:	18483
UniProt ID:	Q9Z0P4
Cytogenetics:	10 39.72 cM
MW:	42.1 kDa
Gene Summary:	Involved in plasma membrane dynamics and cell process formation. Isoform 1 and isoform 2 are necessary for axonal and dendritic filopodia induction, for dendritic spine maturation and synapse formation in a palmitoylation-dependent manner.[UniProtKB/Swiss-Prot Function]