

Product datasheet for **RC227380**

PALM3 (NM_001145028) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PALM3 (NM_001145028) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PALM3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227380 representing NM_001145028
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGAGCTCCCTCTACCGCAGCGGCTAGAAGTCATCGCTGAGAAGCGGGCGGCTGCAGGAGGAGA
 TCCGCGCCGCGCCCGGGAGGTGGAGGAGGAGAACTCCGCGTGGAGCGTCTCAAGAGGAAGTCTCTCCG
 GGAACGTTGGCTAATGGATGGGGCAGCTGCAGTCCAGGCCATCCGAAGACCCACCTCGAAGGACCCC
 CAGTCACCCGAGGGCCAGGCTCAGGCCGAATCCGGAACCTGGAAGACAGTTTGTTCACACTCCAGTCCC
 AGCTGCAACTGTTGCAAAGTGCTTCCACAGGTGCCAGCACAAGCCCTCAGGCAGGCCAGCTGGCGCAG
 ACAGGGTCACCGTCTCTCTCCAGTCCATTGTCGAGGCAGGTTCTGTAGGCCAGACTGATCTGAACAAG
 AGAGCCTCCCTGCCGGCTGGACTAGTGGGCACGCCTCCAGAGTCCCCCTCTGAGCCCAGGGAGGATGTCT
 TGGGGTTTCTGCCAGGCCGAGGCAGGTCCCCGGGGCAGCAGGAGACTCCTCAGAAGCCAATGGCCCATG
 CCCCAGCCCCATCCCCTCCAGAGCAGGGGCTAAGTCAGAGGGCAGTCCATCCGAAGGGCGGGTGGGT
 GAGGCCAAAGGAGGGGGCGTGGTGTGGTGTGGGAAGGGCTGAGGGCCACAGAGGACTGTGCCACAG
 GGGCCACGGGCCCGAGCTGGAGGCTAAGGTGGAGGAAGTGGTGTGGAAGCCATCGGAGACAGGAAGGG
 AGCTGGTAGCCTGGAGCTCCCGGCTGGGTGAAGGAGGACAGGGGCATCGTGGAGGTGGTCTGGGAGGGG
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 GAAGAGTGGGAGGAGTCTGCTGGTGGAGGGTTGGAAGGGCCGAGGTGGCAGGGAGGGAGAGAGGAGATG
 AAAGCCCCTGGGGCCGAGGGGGCCAAGACGGGAGGAGCGAGGAGACCTGGGAGGCAGAGAAGAGAAA
 AGCGGAAGAATCCATGGGAATAGGAAGTGAGGAAAAGCCAGGGACAGGGAGGGATGAAGCGGAGATGTCA
 CCAGTGGTAGAGAGGAAAGGAGGAGAGAAGAAGTTGGAGCTGGAGAGCAGAGGAAGTGCAGAAAAGCTGG
 GAACAGAGAGGGAAGGAGGTGAGGAACCACTGGGCATAGAGAGAAAAGTTGAGGGACATTTGAGGGCAGA
 GAAGGAAGGAGATGAGGAAAAGCGAGGGGCAGAGGAGGAGGAGGTAGAAGAACCATTGGGAGTAGAGAAG
 AAAGGAGGTGAGGAAGAGCCAGAGGCAACCAAAGAACCACTGGAGGCAGAGAGAAAAGGGAGGGGAGGAGA
 CACTGGAGGCAGAGAAAAGGGGAGGTGAGGAATCATTGGAGACAGAGAAGACCCAAGGGACGGAGGGAGA
 TCTGAATCTAGAACAAGGTCTAGGGAAGGAAGTGAATCCAGGCAGAGGAGATGAATGAGGCAGGGCCT
 CCCCTTGAGGCTAACACGGAGACAAGGCCAGAGAAGGAAGGACCCAGCCCCAGGAGAAGCCAGTAGGAG
 CCTTGGAGGAGGAAGGAGTGAAGCCCCAAACCGCTGCTGAGGGCCAAGGCCCTTGGGGGATGCCACACC
 TCTTCTGGCAGAGACCCAGCCCCAGAGCAGCCCGCCGAATGCCAGCCTGCTTCAAGGGGAGGGGGCC
 AGCGCAAACCCAGTGCCACCCCTGTGCCACCTACGCGCCTGCCCGGCAGCCTGAGCCATCTGCCCCCA
 CCGAGGGTGAAGAGGCAAGTGGCCCTAAGCAAAAGACGTGCCAGTGTGTGCGGTCATG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227380 representing NM_001145028
Red=Cloning site Green=Tags(s)

MAESSLYRQRLEVIAEKRRQLQEEIRAARREVEEEKLRVERLKRKSLRERWLMDGAAAVPEPSEDPTSKDP
 QSPEGQAQARIRNLEDSLFTLQSQLQLQASTGAQHKPSGRPSWRRQGHRPLSQSIVEAGSVGQTDLNK
 RASLPAGLVGTPEPSPSEPREVDLGFLLPGPRQVPGAAGDSSEANGPCPSP IPTPEQGLSQRAPVSEGRVG
 EAKGGGVVSVVWEGLRATEDCATGATGPELEAKVEEVVLEAIGDRKAGSLELPAWVKEDRGIVEVVWEG
 VGGSDAEAMGEIGRVPEVVQTSSPRLQERLEAAAASIEGEDVPQGSPEGDGQGGSGGEEGSFIWVERVTL
 EEWEELLVEGLEGPVAGRERGDSPLAGAEGAKTGGGEETWEAEKRKAEE SMGIGSEEKPGTGRDEAEMS
 PVYERKGGKLELESRGSAEKLGTEREGGEEPLGIERKVEGHLRAEKEGDEEKRAEEEEVEEPLGVEK
 KGGEEPEATKEPLEAERKGGEE TLEAEKRGGEESLETEKQTGTEGDLNLEQGSREGSESQAEMNEAGP
 PLEANTETRPEKEGPQPEKPVGAL EEEGVKPTAAEGQGPLGDATPLLAETPAEQPAECQPLLQGE
 SANPSAHPVPTYAPARQPEPSAPTEGEEASGPKQKTCQCCAVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001145028

ORF Size: 2019 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:

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_001145028.1](#), [NP_001138500.1](#)

RefSeq ORF: 2067 bp

Locus ID: 342979

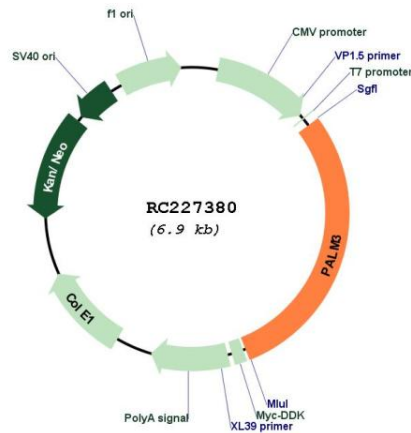
UniProt ID: [A6NDB9](#)

Cytogenetics: 19p13.12

MW: 71.5 kDa

Gene Summary: 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 RC227380