

## Product datasheet for **RC228968**

### **PLEKHA4 (NM\_001161354) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PLEKHA4 (NM_001161354) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PLEKHA4
Synonyms:	PEPP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC228968 representing NM\_001161354  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGGGAGCCGACCTCGCAGCAGCCTGAGCCTGGCCAGCAGCGCCTCCACCATCTCCTCGCTCAGCA  
 GCCTGAGCCCCAAGAAGCCACCCGGGCAGTAAACAAGGTCCACGCCTTTGGGAAGAGAGCAATGCGCT  
 CAGGAGGGATCCCAACCTCCCGTGCACATCCGAGGCTGGCTTATAAGCAGGACAGCTCGGGGCTCCGT  
 CTCTGGAACGCGCTGGTTCTGCTCTCCGGCCATTGCCTCTTTTATTACAAGGACAGCCGCGAGGAGA  
 GTGTCCTAGGCAGCTCTGCTCCCGAGCTACAATATTAGACCAGATGGGCCGGGAGCCCCGAGGGCG  
 GCGCTTACCTTACCAGCAGACCCGGGCATGAGGACCTACGTTTTGGCCGCTGACACCTTAGAAGAC  
 CTGCGGGGCTGGTACGGGCGCTGGGCCGGCCTCCCGTCCGGAGGGGGACGACTATGGCAACCCAGGT  
 CACCTGCACGACCCAGCCGGGAGGGCCCCGGCGGCCCGGTGGTCCCGGAGGTGAGCAGAGGGGA  
 AGAGGGGCGCATCTCAGAATCACCGAAGTGACTCGACTCTCCAGAGGTCTGGTAGACCAGGCTGCTC  
 ACTCCAGCCCCACAACCGACCTCCACTCTGGACTCCAGATGCGGAGGGCGAGGACCCCGACCTGTTC  
 CCCCCCTCTCTCGCCCTCCCTCGCCTCTGAGCCTCCCCCGTCCCGTCTGCCCTGCGCGGCGACCCCC  
 TGCCCCCTCAGGAGACACAGACCCCTGCCCGACCTCACACCCGTTGAGTCGCATTGATGTCGACCT  
 CCTCTGGATTGGGGCCCCAACGCCAGACCCCTCTCCCGACCCCTACTCCCGCCGAGGACCTCCCTCTG  
 AGGCTGGGGGAGGAAAGCCCCCAGGAGTCCCGAGCACTGGAGTCAGGAGCCAGAACACAGCCGGGTCC  
 TCCCTGGAGTCACTTTCCACCAAGCTTGGAGACAGATACGCTGCTGACCAAGTTGTGCGGGCAGGAC  
 CGGCTTTCGGGAGGCTGCAGGAGGAGATAGACCAGAAGCAGGAGGAGAAGGAGCAACTAGAAGCAGCTC  
 TGGAGTTGACCCGGCAACAGCTGGGCAAGCCACAGGGAGGCTGGGGCTCCCGGAGGGCTGGGGTCCG  
 CCAGCGCCTCTTGCAGGACCGGCTGGTCACTGTGAGGGCCACCCTCTGTCACTTGACTCAGGAGCGAGAG  
 AGGGTTTGGGACAGTACAGTGGCCTGGAGCAGGAGCTGGGCACCTTAAGAGAGACGCTGGAGTACCTGC  
 TGCACCTTGGTTCTCCCGAGGACAGAGTGTCTGCTCAGCAGCAGCTGTGGATGGTGAAGACAGCTGGC  
 AGGTCTGGGTGGCCCCAGAAACCGCCCCACACACTGAGCCTGACTCCCCATCTCCCGTCTCCAGGGC  
 GAGGAGTCTCAGAGAGGGAGAGCCTGCCAGAGTCTTGGAACTGAGCTCCCTAGGTCCCCGAGACTG  
 ACTGGGGCGGCCTCTGGAGGCGACAAAGACCTGCCAGCCCTCACTTAGGTCTGGGTCTCCGAGGGT  
 CTCCCGGGCTTCCAGCCCTGAGGGTCGCCACCTCCCTTCCCACAGCTAGGAACCAAGTCCAAGGAACAC  
 CACCCCTACTTCCGACTTCCGAAGTACCCGGGAGCGGTTCTCAGCCTCTCCAAGCCCTGGCTAC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC228968 representing NM\_001161354  
 Red=Cloning site Green=Tags(s)

MEGSRPRSSLSLASSASTISSLSLSPKPKTRAVNKVHAFGKRGNALRRDPNLPVHIRGWLHKQDSSGLR  
 LWKRRWFVLSGHCLFYKDSREESVLSVLLPSYNIIRPDGPGAPRRRFTTAEHPGMRITYVLAADTLED  
 LRGWLRALGRASRAEGDDYGQPRSPARPQPEGEGPGGPPPEVSRGEEGRISESPEVTRL SRGRGRPRLL  
 TPSPTTDLHSLQMRRARSPDLFTPLSRPPSPLSLPRPRSAPARRPPAPSGDTAPPARPHPLSRIDVRP  
 PLDWGPQRQTL SRPPTPRRGPPESEAGGGKPPRSPQHWSQEPRTQPGPPLESTFHQSLETDTLLTKLCGQD  
 RLLRRLQEEIDQKQEEKEQLEAALELTRQQLGQATREAGAPGRAWGRQRLLDRLVSVRATLCHLTQERE  
 RVWDTYSGLQELGTLRETLEYLLHLGSPQDRVSAQQQLWMVEDTLAGLGGPQKPPPHTPEPDSPPVQLG  
 EESSERESLPESLELSSPRSPETDWGRPPGGDKDLASPHLGLGSPRVSRASSPEGRHLPSPQLGTKSKEH  
 HPLLADFRRSPGAGSQPLPSPGY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001161354

**ORF Size:** 1749 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\\_001161354.1](#), [NP\\_001154826.1](#)

**RefSeq ORF:** 1752 bp

**Locus ID:** 57664

**UniProt ID:** [Q9H4M7](#)

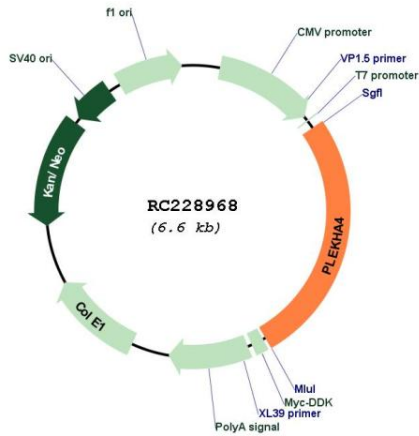
**Cytogenetics:** 19q13.33

**MW:** 64 kDa

**Gene Summary:**

This gene encodes a pleckstrin homology (PH) domain-containing protein. The PH domain is found near the N-terminus and contains a putative phosphatidylinositol 3, 4, 5-triphosphate-binding motif (PPBM). Elevated expression of this gene has been observed in some melanomas. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2017]

**Product images:**



Circular map for RC228968