

Product datasheet for **SC327603**

PLEKHA4 (NM_001161354) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHA4 (NM_001161354) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLEKHA4
Synonyms:	PEPP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001161354, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGGAGCCGACCTCGCAGCAGCCTGAGCCTGGCCAGCAGCGCCTCCACCATCTCC
TCGCTCAGCAGCCTGAGCCCCAAGAAGCCACCCGGGCAGTAAACAAGATCCACGCCTTT
GGGAAGAGAGGCAATGCGCTCAGGAGGGATCCCAACCTTCCCCTGCACATCCGAGGCTGG
CTTCATAAGCAGGACAGCTCGGGCTCCGTCTCTGAAACGCCGTGGTTCGTCTCTCC
GGCCATTGCCTCTTTTATTACAAGGACAGCCGCGAGGAGAGTGTCTTAGGCAGCCTCTG
CTCCCCAGCTACAATATTAGACCAGATGGGCCGGGAGCCCCCGAGGGCGCGCTTCACC
TTCACCGCAGAGCACCCGGGCATGAGGACCTACGTTTTGGCCGCTGACACCTTAGAAGAC
CTGCGGGGCTGGCTACGGGCGCTGGGCCGGGCCTCCCCTGCGGAGGGGGACGACTATGGG
CAACCCAGGTCACCTGCACGACCCAGCCGGGGAGGGCCCCGGCGGCCCGGTGGTCCC
CCGGAGGTGAGCAGAGGGGAAGAGGGGCGCATCTCAGAATCACCGGAAGTGACTCGACTC
TCCAGAGTCTGGTAGACCCAGGCTGCTACTCCAGCCCCACAACCGACCTCCACTCT
GGACTCCAGATGCGGAGGGCGAGGAGCCCCGACCTGTTACCCCCCTCTCTCGCCCTCC
TCGCCTCTGAGCCTCCCCGTCCCCGTTCTGCCCTGCGGGCGACCCCCTGCCCCCTCA
GGAGACACAGCACCCCTGCCCGACCTCACACCCGTTGAGTCGATTGATGTCCGACCT
CCTCTGGATTGGGGCCCCAACGCCAGACCTCTCCCAGCCCCCTACTCCCCGCCGAGGA
CCTCCCTCTGAGGCTGGGGGAGGAAAGCCCCCAGGAGTCCCCAGCACTGGAGTCAGGAG
CCCAGAACACAGCCGGGTCTCCCTGGAGTCAACTTCCACCAAAGCTTGGAGACAGAT
ACGCTGCTGACCAAGTTGTGCGGGCAGGACCGGCTTCTGCGGAGGCTGCAGGAGGAGATA
GACCAGAAGCAGGAGGAGAAGGAGCAACTAGAAGCAGCTCTGGAGTTGACCCGGCAACAG
CTGGGCCAAGCCACCAGGGAGGCTGGGGCTCCCCGGAGGGCCTGGGGTCGCCAGCGCCTC
TTGCAGGACCGGCTGGTCACTGTGAGGGCCACCCTCTGTCACTTGACTCAGGAGCGAGAG
AGGGTTTGGGACACGTACAGTGGCCTGGAGCAGGAGCTGGGCACCTTAAGAGAGACGCTG
GAGTACCTGCTGCACCTTGGTTCTCCCCAGGACAGAGTGTCTGCTCAGCAGCAGCTGTGG
ATGGTGAAGACACGCTGGCAGGTCTGGGTGGCCCCAGAAACGCCCCACACACTGAG
CCTGACTCCCCATCTCCCGTGTCCAGGGCGAGGAGTCTCAGAGAGGGAGAGCCTGCCA
GAGTCTTGAAGTACTGAGCTCCCCAGGTCACCCGAGACTGACTGGGGGCGGCCTCCTGGA
GGCGACAAAGACCTCGCCAGCCCTCACTTAGGTCTTGGGTCTCCGAGGGTCTCCCGGGCT
TCCAGCCCTGAGGGTCCGACCTCCCTTCCCCACAGCTAGGAACCAAGTCCAAGGAACAC
CACCCCTTACTTCCGACTTCCGAAGGTCACCGGGAGCGGTTCTCAGCCTCTCCCAAGC
CCTGGCTAC

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Restriction Sites: Please inquire

ACCN: NM_001161354

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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 Size: 2808 bp

RefSeq ORF: 1752 bp

Locus ID: 57664

UniProt ID: [Q9H4M7](#)

Cytogenetics: 19q13.33

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]
Transcript Variant: This variant (2) has multiple differences in the coding region, compared to variant 1, one of which results in a frameshift. This results in a shorter isoform (2) with a distinct C-terminus, compared to isoform 1.