

Product datasheet for **SC108303**

PLEKHA1 (NM_021622) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEKHA1 (NM_021622) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLEKHA1
Synonyms:	TAPP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021622, the custom clone sequence may differ by one or more nucleotides

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ATGCCTTATGTGGATCGTCAGAATCGCATTTGTGGTTTTCTAGACATTGAAGAAATGAAAACAGTGGGA
AATTTCTTGAAGGTACTTCATACTGGATACCAGAGAAGATAGTTTCGTGTGGTACATGGATAATCCACA
GAACCTACCTTCTGGATCATCACGTGTTGGAGCCATTAAGCTTACCTACATTTCAAAGGTTAGCGATGCT
ACTAAGCTAAGGCCAAAGGCGGAGTTCTGTTTTGTATGAATGCAGGAATGAGGAAGTACTTCTACAAG
CCAATGATCAGCAGGACCTAGTGAATGGGTAATGTGTTAAACAAAGCTATAAAAATTACAGTACCAAA
GCAGTCAGACTCACAGCCTAATTCTGATAACCTAAGTCGCCATGGTGAATGTGGGAAAAAGCAAGTGTCT
TACAGAACTGATATTGTTGGTGGCGTACCCATCATTACTCCCACTCAGAAAGAAGAAGTAAATGAATGTG
GTGAAAGTATTGACAGAAATAATCTGAAACGGTCACAAAGCCATCTTCCTTACTTTACTCTAAACCACC
TCAAGATAGTGCGGTTATCAAAGCTGGATATTGTGTAACAAGGAGCAGTGATGAAAACTGGAAGAGA
AGATATTTTCAATTGGATGAAAACACAATAGGCTACTTCAAATCTGAACTGGAAGGAACCTCTTCGTG
TAATACCCTTAAAGAGGTTTCAAAAGTCCAGGAATGTAAGCAAAGCGACATAATGATGAGGGACAACCT
CTTTGAAATTGTAACAACGTCTCGAAGTTTCTATGTGCAGGCTGATAGCCCTGAAGAGATGCACAGTTGG
ATTAAAGCAGTCTCTGGCGCCATTGTAGCACAGCGGGTCCCGGCAGATCTGCGTCTTCTGAGCATCCCC
CCGGTCTTTCAGAATCCAAACACGCTTTCGGTCTACCAACGCAGCCACCGCCACCTCACATTCCACAGC
CTCTCGCAGCAACTCTTTGGTCTCAACCTTTACCATGGAGAAGCGAGGATTTTACGAGTCTTTGCCAAG
GTCAAGCCAGGGAACCTCAAGGTCCAGACTGTCTCTCAAGAGAACAGCTTCCAAAGTGACTGAACAAG
CTCTGTAAAGACCTCAAAGTAAAATGGCCCTCAGGAAAAAGATTGTGACCTAGTAGACTTGGACGATGC
GAGCCTTCGGTCAGTGACGTGTGA
  
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021622 unedited
 ATTTGTAATACGACTCACTATAGGGCGGCCGCGNAATTCGCACGAGGGTCGCGGACGCCG
 CTCCGGGCAGCCGAGCCTCTGTGGGAGCCGGGCGCGGCGCGGGTCTCCGGGCCG
 AGGCCGCGTCTGGCTCTTGCTGATTGAATTCCTTTGGTGCAGTTTAGCATGTTCTCTGT
 GTTCTGCATCTCCTGTAGTGAATGTTCAAGCTCAGAAATGCCTTATGTGGATCGTCAGA
 ATCGCATTTGTGGTTTTCTAGACATTGAAGAAAATGAAACAGTGGGAAATTTCTTCGAA
 GGTACTTCATACTGGATACCAGAGAAGATAGTTTCGTGTGGTACATGGATAATCCACAGA
 ACCTACCTTCTGGATCATCACGTGTTGGAGCCATTAAGCTTACCTACATTTCAAAGGTTA
 GCGATGCTACTAAGCTAAGGCCAAAGGCGGAGTTCTGTTTTGTTATGAATGCAGGAATGA
 GGAAGTACTTCTACAAGCCAATGATCAGCAGGACCTAGTGAATGGGTAATGTGTAA
 ACAAGGTATAAAAATTACAGTACCAAAGCAGTCAGACTCACAGCCTAATTCTGATAACC
 TAAGTCGCCATGGTGAATGTGGGAAAAAGCAAGTGTCTTACAGAACTGATATTGTTGGTG
 GCGTACCCATCATTACTCCCACTCAGAAAGAAGAAGTAAATGAATGTGGTGAAAGTATTG
 ACAGAAATAATCTGAAACGGTCACAAAGCCATCTTCTTACTTTACTCCTAAACCACTC
 AAGATAGTGCGGTATCANAGCTGGATATTGTGTAAACAAGGAGCAGTGATGAAAACT
 GGAAGAGAAGATATTTTCAATTGGATGAAAACACATANGCTACTTCAAATCTGAAGTGA
 AAAGGAACCTCTCGCGTAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021622 unedited
 GGCAACTCTCCAGGTCCAGGNANAGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGAT
 CTGTTCCAGGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTT
 TTTAAAGAAATTATATTTAGTTTGGCCACTCCCTAGATTCTTGGTTTACCAGCTTATAAA
 GAGTACACCTAAGAGGCAGTATAATATACGCACTAAAAACCATTTCCCCCTTTATCATCT
 TTGGCTAGAAGCCTCATGAAAGGAACTGAGGACGGCAGAGGCAGGCAGGCTCCGTGCGC
 TTCTGCCTCACACGTCACCTGACCGGAAGGCTCGCATCGTCCAAGTCTACTAGGTCACAA
 CTTTTCTGAGGGCCATTTTTACTTTGAGGTCTTAACAGAGCTTGTTCAAGTCACTTTGG
 AAGCTGGTTCTTTGGAAGACAGCTGACCTTGAATTCCTGCTGACCTTGCAAGTGAAC
 CTGCTTTCATGGAAGTGAACCAAAATGCTGGAGAGCTGGGAATGTGAGTGGGGGGCTGGT
 TGGAGGACGGAACGTGTTGGATTTGAAGGACCGGGGATGCTCTGAAAGATGGGCAACCG
 CAGACCTGACGTAAATAGGGAGATGATTTGAACATAACCCCCCCCCCCCCCAGCGCCAA
 CCTCCTAAGGAGTTTCAAACGTTAAGGATTAGATGTCAACTTCTGACATCGACAGTGAT
 GGACTGCTGAATCCCCTAGATAGGTC

Restriction Sites:

NotI-NotI

ACCN:

NM_021622

Insert Size:

4690 bp

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).

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:	<u>NM_021622.3, NP_067635.2</u>
RefSeq Size:	3693 bp
RefSeq ORF:	1215 bp
Locus ID:	59338
UniProt ID:	<u>Q9HB21</u>
Cytogenetics:	10q26.13
Domains:	PH
Gene Summary:	This gene encodes a pleckstrin homology domain-containing adapter protein. The encoded protein is localized to the plasma membrane where it specifically binds phosphatidylinositol 3,4-bisphosphate. This protein may be involved in the formation of signaling complexes in the plasma membrane. Polymorphisms in this gene are associated with age-related macular degeneration. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 5.[provided by RefSeq, Sep 2010] Transcript Variant: This variant (1) encodes the longer isoform (1). Both variants 1 and 2 encode the same isoform (1).