

Product datasheet for **RC231168**

PLEKHA1 (NM_001195608) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PLEKHA1
Synonyms:	TAPP1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231168 representing NM_001195608
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTTATGTGGATCGTCAGAATCGCATTTGTGGTTTTCTAGACATTGAAGAAATGAAAACAGTGGGA
AATTTCTTCAAGGTACTTCATACTGGATACCAGAGAAGATAGTTTCGTGTGGTACATGGATAATCCACA
GAACCTACCTTCTGGATCATCACGTGTGGAGCCATTAAGCTTACCTACATTTCAAAGGTTAGCGATGCT
ACTAAGCTAAGGCCAAAGGCGGAGTTCTGTTTTGTATGAATGCAGGAATGAGGAAGTACTTCTACAAG
CCAATGATCAGCAGGACCTAGTGAATGGGTAAATGTGTTAAACAAAGCTATAAAAAATTACAGTACCAAA
GCAGTCAGACTCACAGCCTAATTCTGATAACCTAAGTCGCCATGGTGAATGTGGGAAAAAGCAAGTGTCT
TACAGAACTGATATTGTTGGTGGCGTACCCATCATTACTCCCACTCAGAAAGAAGAAGTAAATGAATGTG
GTGAAAGTATTGACAGAAATAATCTGAAACGGTCACAAAGCCATCTTCCTTACTTTACTCCTAAACCACC
TCAAGATAGTGC GTTATCAAAGCTGGATATTGTGTAACAAAGGAGCAGTGATGAAAACTGGAAGAGA
AGATATTTTCAATTGGATGAAAACACAATAGGCTACTTCAAATCTGAACTGGAAAAGGAACCTCTTCGTG
TAATACCACTTAAGAGGTTCAATAAGTCCAGGAATGAAGCAAAGCGACATAATGATGAGGGACAACCT
CTTTGAAATTGTAACAACGTCTCGAACTTTCTATGTGCAGGCTGATAGCCCTGAAGAGATGCACAGTTGG
ATTAAAGCAGTCTCTGGCGCATTGTAGCACAGCGGGTCCCGGCAGATCTGCGTCTTCTATGCGGCAGG
CCAGAAGGCTGTCAACCTTTGTATACAGAGGTATACATCAAGAGCTGGTGAATGCAGCACGTATGTGGG
CTCTCACGCAACGTGCCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC231168 representing NM_001195608

Red=Cloning site Green=Tags(s)

MPYVDRQNRICGFLDIEENENSGKFLRRYFILDTRDSFVWYMDNPQNLPSSSRVGAIKLTYISKVSDA
TKLRPKAEFCFVMNAGMRKYFLQANDQQDLVEVYNVLNKAIKITVPKQSDSQNSDNL SRHGECGKKQVS
YRTDIVGGVPIITPTQKEEVNECGESIDRNLKRSQSHLPYFTP KPPQDSAVIKAGYCVKQGAVMKNWKR
RYFQLDENTIGYFKSELEKEPLRVIPLKEVHKVQECKQSDIMMRDNLFEIVTTSRTFYVQADSPEEMHSW
IKAVSGAIVAQRGPRGSASSMRQARRLSNPCIQRYTSRAGECSTYVGSHANVPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8052_h07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001195608

ORF Size:

1002 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:

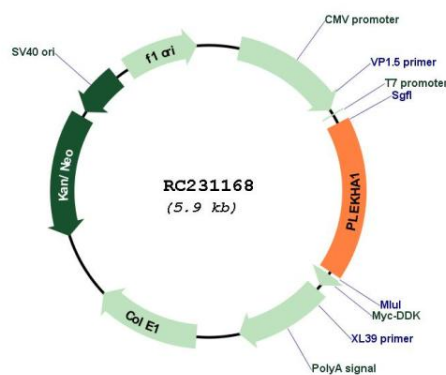
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001195608.2</u>
RefSeq ORF:	1005 bp
Locus ID:	59338
UniProt ID:	<u>Q9HB21</u>
Cytogenetics:	10q26.13
MW:	38.6 kDa
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]

Product images:



Circular map for RC231168