

## Product datasheet for MR204115

### Plekha3 (NM\_031256) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plekha3 (NM_031256) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plekha3
Synonyms:	FAPP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204115 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGGGTTCTGTACAAGTGGACCAACTATCTCACAGGTTGGCAGCCTCGATGGTTTGTCTGGATA  
ATGGAATCCTGTCCTACTATGACTCACAGGATGATGTCTGCAAAGGGAGCAAAGGGAGTATAAAGATGGC  
GGTCTGTGAGATTAAGTCCATCCCGCAGACAACAAGAATGGAGTTAATCATTCCAGGAGAGCAGCAT  
TTCTACATGAAGGCAGTAAATGCCGCCGAGAGACAGAGGTGGCTGGTTGCCCTTGGGAGCTCCAAAGCGT  
GTTTGACCGACACGAGGACTGCAAAGAGAAAGAATAAGTGAGACCAGTGAATCTCTGAAAACCAAAT  
GTCTGAACTTCGCCTCTACTGTGACCTCCTGATGCAGCAGGTTTACATACGATCCAGGAATTCGTCCACCGT  
GATGAGAGGCATCCCTCTCCCAGTGTGGAGAACATGAATGAAGCCTCCTCCTTGCTCAGTGCCACCTGTA  
ACACATTCATCACAACCTGGAGGAGTGTGTGAAGATCGCCAACGCCAAGTTTAAACCTGAGATGTTTCA  
ACTGCCTCATCCGGATCCCCTGGTCTCTCCCGTGTGCGCTTCTCCTGTTGATGATGAAGCGTTTACGCC  
AGCCACCCTGGTTCCTGCAGTCCGAGAGGAGCAGCTGCTCCATCAAAGAACCAGCATCTGCCCTCACC  
GACTTCCTCAGCGACGCCGAGAACCTACTCGGACACAGACTCTGTAATGATGTTCCCCCTGAAGACCC  
AGAGAGACCTCTCACTGTTTCAAGAAACACACTTAATGGAGATTTGGCATCAGCAACCATTCCGGAAGAA  
AGCAGACTCATGGCCAAGACACAATCTGAAGAACCTCTTCTGCCCTTCTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204115 protein sequence  
Red=Cloning site Green=Tags(s)

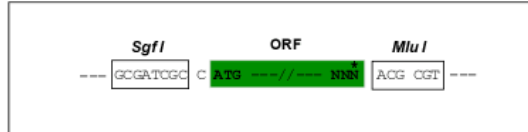
MEGLVLYKWTNYLTGWQPRWFLDNGILSYDYSQDDVCKGSKGSIKMAVCEIKVHPADNTRMELIIPGEQH  
 FYMKAVNAERQRWLVALGSSKACLTDTRTAKEKEISETSESLKTKMSELRLYCDLLMQQVHTIQEFVHR  
 DERHPSVSVENMNEASSLLSATCNTFFITLLEECVKIANAKFKPEMFQLPHPDPLVSPVSPVQMMKRSA  
 SHPGSCSSERSSSIKEPASALHRLPQRRRTYSDTDCSCNDVPPEDPERPLHCSGNTLNGDLASATIPPEE  
 SRLMAKTQSEEP LLPFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_031256

**ORF Size:** 894 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\\_031256.3](#)

**RefSeq Size:** 3007 bp

**RefSeq ORF:** 894 bp

**Locus ID:** 83435

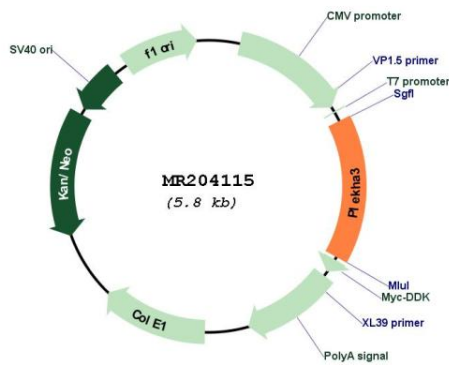
**UniProt ID:** [Q9ERS4](#)

**Cytogenetics:** 2 C3

**MW:** 33.4 kDa

**Gene Summary:** Involved in Golgi to cell surface membrane traffic. Induces membrane tubulation. Binds preferentially to phosphatidylinositol 4-phosphate (PtdIns4P) (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR204115