

Product datasheet for **MG204115**

Plekha3 (NM_031256) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plekha3 (NM_031256) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Plekha3
Synonyms: FAPP1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204115 representing NM_031256
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGGGGTTCTGTACAAGTGGACCAACTATCTCACAGGTTGGCAGCCTCGATGGTTTGTCTGGATA
 ATGGAATCCTGTCCTACTATGACTCACAGGATGATGTCTGCAAAGGGAGCAAAGGGAGTATAAAGATGGC
 GGTCTGTGAGATTAAGTCCATCCCGCAGACAACAAGAATGGAGTTAATCATTCCAGGAGAGCAGCAT
 TTCTACATGAAGGCAGTAAATGCCGCCGAGAGACAGAGGTGGCTGGTTGCCCTTGGGAGCTCCAAAGCGT
 GTTTGACCGACACGAGGACTGCAAAGAGAAAGAAATAAGTGAGACCAGTGAATCTCTGAAAACCAAAT
 GTCTGAACTTCGCCTCTACTGTGACCTCCTGATGCAGCAGGTTTACATACGATCCAGGAATTCGTCCACCGT
 GATGAGAGGCATCCCTCTCCCAGTGTGGAGAACATGAATGAAGCCTCCTCCTTGCTCAGTGCCACCTGTA
 ACACATTCATCACAACCCTGGAGGAGTGTGTGAAGATCGCCAACGCCAAGTTAAACCTGAGATGTTTCA
 ACTGCCTCATCCGGATCCCCTGGTCTCTCCCGTGTGCGCTTCTCCTGTTGATGATGAAGCGTTACGCC
 AGCCACCCTGGTTCCTGCAGTCCGAGAGGAGCAGCTGCTCCATCAAAGAACCAGCATCTGCCCTCCACC
 GACTTCCTCAGCGACGCCGAGAACCTACTCGGACACAGACTCTTGAATGATGTTCCCCCTGAAGACCC
 AGAGAGACCTCTCACTGTTTCAGGAAACACACTTAATGGAGATTTGGCATCAGCAACCATTCCGGAAGAA
 AGCAGACTCATGGCCAAGACACAATCTGAAGAACCTCTTCTGCCCTTCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204115 representing NM_031256
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MEGLVLYKWTNYLTGWQPRWFLDNGILSYDYSQDDVCKGSKGSIKMAVCEIKVHPADNTRMELIIPGEQH
 FYMKAVNAAERQRWLVALGSSKACLTDTRTAKEKEISETSESLKTKMSELRLYCDLLMQQVHTIQEFVHR
 DERHPSPSVENMNEASSLLSATCNTFFITLLEECVKIANAKFKPEMFQLPHPDPLVSPVSPVQMMKRSA
 SHPGSCSSERSSCSIKEPASALHRLPQRRRTYSDTDSCNDVPPEDPERPLHCSGNTLNGDLASATIPEE
 SRLMAKTQSEEP LLPFS

TRTRPLE - GFP Tag - V

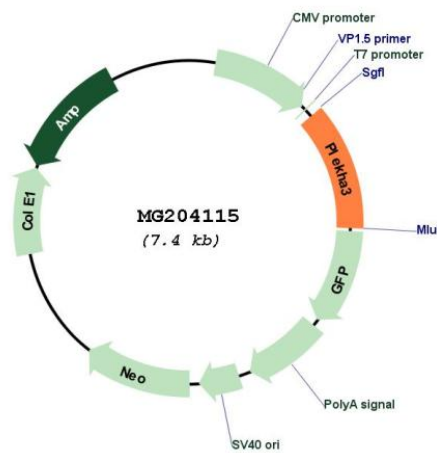
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_031256

ORF Size: 891 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:	<ol style="list-style-type: none">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:	2107 bp
RefSeq ORF:	894 bp
Locus ID:	83435
UniProt ID:	Q9ERS4
Cytogenetics:	2 C3
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]