

Product datasheet for **MG209172**

Plekha4 (BC021387) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekha4 (BC021387) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plekha4
Synonyms:	PEPP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209172 representing BC021387
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCAGGGCCGACCCGGAGCAGCCTCAGCCTGGCCAGCAGTCTCCACCCTCCTCTCTGAGTA
 GCCTGAGCACCAAGAAGCCTACCCGTGCAGTACACAAGGTCCATGCCTTTGGAAAAAGGAACAATGCACT
 TCGACGAGACCCCAACTTGCCGGTGCACATCCGTGGCTGGCTGCACAAACAGGACAGCTCAGGCCTCCGG
 CTGTGGAAGCGCCGTTGGTTCGTCCTTTAGGCCATTGCCTTTCTACTATAAGGATAGCAGAGAAGAGA
 GTGTCCTGGGCGAGTATTATTACCCAGCTACAGTGTGAGCCAGATGGGCCCGGAGCCCTCGTGGCCG
 GCGATTACCTTTCACAGCAGAGCACCCGGGCATGAGGACCTATGTCCTTGCAGCTGACACATTAGAGGAC
 CTGAGAGGTTGGCTTCGAGCACTGGGGAGGGCCTCTCGTGGGAGGGGGAAGATTGCGGACTCCCGAGGT
 CACCTGCACGTCCAGGCCTGGGAAGTCTGGGGACCCGGAGACCCCAAGAGGTGAACAGAAGGGA
 AGAGGGGCGCATCTCAGAATCACAGAGGTAGCTCGGCTCTCCAGAGGTCTTGGCAGACATGAAACGCAC
 ACTCCCAACTCTACAGTGGATCTGCAGACTGACACCTGGAGTCGTAGAACCCTGGAGCCAGAGTTGTTCT
 CACCCCTTTCCCGGCTCCCTCCCTCTGAGCCTTCCCGTCTCGCTCTGCCCGGCCCGGCGACCCCT
 TCTCTCAGCAGGAGACATCTCATTTCTGCCGACCGCATACTCCTTTGAGTTCGATCGATGTCGACCT
 CCTCTGGATTGGGGACCCCAAAGACAGACCCTCTCCGACCTCCCATCCACGCCGAGGACCTTCTCTG
 AAGCTGGCGGAGAACGGCCACCCAGGAGTCCCGACCCCGGACACCAGAGCAGAGAACGCAGTCTACCCA
 GGCCACCTCTGGTTCGTCCACCTATCTCCAGCTGCCCCAAGACCTCTGGGACCCAGGCCTCCATGATT
 TTGCTGCCAGGACCCCTGTGGACTCAGCTTTCATCAGAGCTTGGAGACAGATACGTTGTTGACTAAGC
 TGTGTGGCAGGACCCGCTCTGAGGCAGCTACAGGAGGATCTGGACAAGAGCAGGAGGAGAAGGAGCA
 GCTGGAGGCAGCTTTGGAGCTGACCCGGCAGCAGCTGGGCCAAGCTACCAGGGAGGCTGCAGCTTCCGGG
 AAGGCCTGGGTCGCGACGCGCTTCTGCAGGACCGGCTGGTGAACGTGAGGGCTGCTCTGTGTCACCTGG
 CTCAGGAGCGAGAGCGAGTTTGGGACACATACAGCGGCCTGGAGCAGGACCTCGGCACCCCTAAGAGAGAC
 GCTCGAGTACCTGCTGCACCTCGGGTCTCCCGAGGACCGTGCCTGTGCTCAACAGCACCTGTGGATGGT
 GAGGACACGCTGGCAGGTCTGGGTGGCCCCAGAAACAGCCCCACATACTGATCCCAAGTCTCCATCCC
 CTGCACCCCAAGGAGAAGAGTCTCAGAGAGGGAGAGCCTTTAGAGTCACTGGAGCTCAGTCCCTCA
 GTCCCTGAGGTGACTGGAGTCGTCCCTCAGGCGGTGACAGAGCCCTCAGCAGCCCTCAGTCAAGTGT
 GGGTCTCAAGGGTCTCCCGGCATCCAGCCCTGAATGTCGTCAACCCTCATCTCCACTGCTGAGAACTA
 AGGTAGACCATCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209172 representing BC021387
 Red=Cloning site Green=Tags(s)

MEQGRPRSSLSLASSASTVSSLSLSTKKPTRAVHKVHAFGKRNALRRDPNLPVHIRGWLHKQDSSGLR
 LWKRRWFVLSGHCLFYKDSREESVLSVLLPSYSVRPDGPGAPRRRFTTAEHPGMRITYVLAADTLED
 LRGWLRALGRASRAEGEDCGLPRSPARPRPEGEGPGGPPPEVNRREEGRISSEPEVARLSRGLGRHETH
 TPNSTVDLQTDTSRRTSPPELFSPLSRPPSPLSLPRPRSAPARRPPLSAGDISFPARPHTPLSRIDVPR
 PLDWGPQRQTLRPPIPRRGPSSEAGGERPPRSPQRTPEQRTQSTQATSGSSTYLQLPPRPPGTQASMI
 LLPGPPVDSALHQSLETDLLTKLGGDRLLRQLQEDLDKRQEEKEQLEAALELTRQQLGQATREAAASG
 KAWGRQRLQLDRLVNVRAALCHLAQERERVWDTYSGLEQDLGTLRETLEYLLHLGSPQDRACAQQHLWMV
 EDTLAGLGGPQKQPHTDPKSPSPAPQGEESRESLSELELSSPQSPEVDWSRPSGGDRALSSPQSGV
 GSPRVSRASSPECRQPSSPLLRKVDHL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	BC021387 , AAH21387
RefSeq Size:	2158 bp
RefSeq ORF:	1766 bp
Locus ID:	69217
Cytogenetics:	7 B3