

Product datasheet for **MR207551**

Plekha4 (NM_148927) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekha4 (NM_148927) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plekha4
Synonyms:	2410005C22Rik; C88169; Pepp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207551 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACCTCGACGAGACCCCACTTGCCTGGTGCACATCCGTGGCTGGCTGCACAAACAGGACAGCTCAGG
 CCTCCGGCTGTGGAAGCGCCGTTGGTTCGTCCTTTTCAGGCCATTGCCTCTTCTACTATAAGGGCAGAGCA
 CCCGGGCATGAGGACCTATGTCCTTGCAGCTGACACATTAGAGGACCTGAGAGGTTGGCTTCGAGACTG
 GGGAGGGCCTCTCGTGCGGAGGGGAAGATTGCGGACTCCCGAGGTACCTGCACGTCCCAGGCCTGGGG
 AAGGTCTGGGGACCCGAGGACCCCAAGAGGTGAACAGAAGGGAAGAGGGGCGCATCTCAGAATCACC
 AGAGGTAGCTCGGCTCTCCAGAGGTCTTGGCAGACATGAAACGCACACTCCCACTACAGTGGATCTG
 CAGACTGACACCTGGAGTCGTAGAACCAGGAGCCAGAGTTGTTCTACCCCTTTCCCGGCTCCCTCC
 CTCTGAGCCTTCCCGTCTCGCTCTGCCCGGCCGGCAGCCCTCTCTCAGCAGGAGACATCTCATT
 TCCTGCCCGACCCATACTCCTTTGAGTGCATCGATGTCGACCTCCTCTGGATTGGGGACCCAAAGA
 CAGACCTCTCCCGACCTCCATTCCACGCCGAGGACCTCCTCTGAAGCTGGCGGAGAACGGCCACCCA
 GGAGTCCCGACCCCGGACACCAGAGCAGAGAACGCAGTCTACCCAGGCCACCTCTGGTTCGTCCACCTA
 TCTCCAGCTGCCCAAGACCTCCTGGGACCCAGGCTCCATGATTTTGTGCCAGGACCCCTGTGGAC
 TCAGCTTTGCATCAGAGCTTGGAGACAGATACGTTGTTGACTAAGCTGTGTGGGACGACCCGCTCCTGA
 GGCAGCTACAGGAGGATCTGGACAAGAGGACGAGGAGAGGAGCAGCTGGAGGCAGCTTTGGAGCTGAC
 CCGGCAGCAGCTGGGCAAGCTACCAGGGAGGCTGCAGCTTCCGGGAAGGCTGGGTGCCAGCGCCTT
 CTGCAGGACCGGCTGGTGAACGTGAGGGCTGCTGTGTACCTGGCTCAGGAGCGAGAGCGAGTTTGGG
 ACACATACAGCGGCTGGAGCAGGACCTCGGCACCCTAAGAGAGACGCTCGAGTACCTGTGCACCTCGG
 GTCTCCCGAGGACCGTGGGTGTGCTCAACAGCAGCTGTGGATGGTGGAGGACCGCTGGCAGGCTGGGT
 GGCCCCAGAAACAGCCCCACATACTGATCCCAAGTCTCCATCCCTGCACCCCAAGGAGAAGAGTCTCT
 CAGAGAGGAGACCTGGAATGGAATTAATCGTCAGACTTGGTGGCAAGTACCCTTATCTGCGGAGAT
 ATCTCACCAGCCCTTATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207551 protein sequence
 Red=Cloning site Green=Tags(s)

MHFDEPTCRCTSVAGCTNRTAQASGCGSAVGSFQAIASSTIRAHPGMRTYVLAADTLEDLRGWLRL
 GRASRAEGEDCGLPRSPARPRPGEGPGGPPPEVNRREEGRISESPEVARLSRGLGRHETHTPNSTVDL
 QDWTWSRRTRSPFLFSPLSRPPSPLSLPRPSAPARRPPLSAGDISFPARPHTPLSRIDVRPPLDWGPQR
 QTLRPPPIPRRGPSSEAGGERPPRSPQPRTPERTQSTQATSGSSTYLQLPPRPPGTQASMILLPGPPVD
 SALHQSLTDTLLTKLQDRLRQLQEDLDRQEEKEQLEAALELTRQQLGQATREAAAASGKAWGRQRL
 LQDRLVNVRAALCHLAQERERVWDYSGLEQDLGTLRETLEYLLHLGSPQDRACAQQQLWMVEDTLAAGL
 GPQKQPPHTDPKSPAPQGEESSERETLEWNLNRQTWWQVPLSAEISHQPLI

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_148927

ORF Size: 1422 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_148927.2](#)
RefSeq Size: 2678 bp

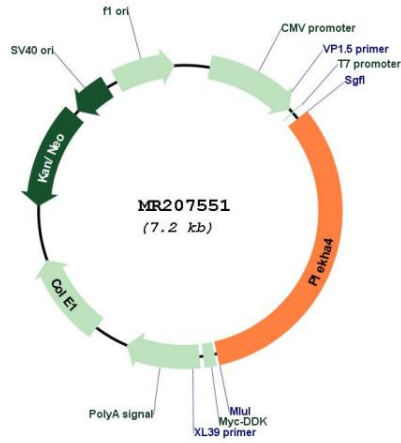
RefSeq ORF: 2340 bp

Locus ID: 69217

Cytogenetics: 7 B3

MW: 52 kDa

Product images:



Circular map for MR207551