

## Product datasheet for **MC200658**

### **Plekha2 (NM\_031257) Mouse Untagged Clone**

#### **Product data:**

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Product Type:             | Expression Plasmids                              |
| Product Name:             | Plekha2 (NM_031257) Mouse Untagged Clone         |
| Tag:                      | Tag Free                                         |
| Symbol:                   | Plekha2                                          |
| Synonyms:                 | 6430512N22Rik; AI851530; AU041791; TAPP2; W91773 |
| Mammalian Cell Selection: | Neomycin                                         |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)                          |
| E. coli Selection:        | Kanamycin (25 ug/mL)                             |



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**Fully Sequenced ORF:** >BC010215 sequence for NM\_031257  
CAAGCACAGGGGTGGTAGCCCTCAAGGACTGCCCGGGCAGCGGGTAGGGGAGGAGCGCAGAGAACGTCC  
CAGGGTGATGTGAACAGAGCCCAGGAATGCCTTATGTGGATCGGCAGAACCGAATCTGTGGGTTTCTGGA  
TATTGAAGACAATGAGAACAGTGGCAAATTCCTCCGAGATACTTTATCTGGATACCCAGGCCAACTGC  
CTCCTCTGGTACATGGACAATCCCCAGAACCTGGCCGTTGGGGCAGGAGCTGTGGATCTCTGCAGCTGA  
CCTACATCTCGAAGGTGAGCATAGCTACCCCAAAGCAGAAACCTAAAAACCACTTCTGCTTCGTTATCAA  
TGCCCTGTCTCAGAGATATTTTCTTCAAGCCAATGACCAGAAAGATCTGAAGGACTGGGTAGAAGCCTTG  
AACCAAGCCAGCAAGATCACTGTACCCAAAGCTGGGACAGTACCCTTGGCCACAGAAAGTTCTCAAAAAC  
TAACAGCTCCTCCACCTTAGAGAAGAAGCCGAGGTGGCTACAAGACTGAGATCATCGGGGTGTGGT  
GGTACAAACGCCTATCAGCCAGAACGGTGGGATGGGCAGGAAGGGTGCGAGCCAGGGACTCAGCCTTC  
CTGCGAAGGTCTCAGAGCTACATCCCACTCAGGCTGCCGCCCTTCCACTGGGCCTCCCCTCATTAAGA  
GTGGCTACTGTGTGAAGCAAGGAATGTGCGGAAGAGTTGAAACGACGCTTCTTTGCCCTCGATGACTT  
TACCATCTGCTACTTCAAGTGTGAGCAGGACAGAGAGCCTCTGCGTACCATACCGCTCAAGGATGTTCTC  
AAGACTCAGAGTGTCTGGTCAAGTCTGGTGATCTCTTAATGAGGGACAACCTGTTTGAATCATAACCA  
CCTCCAGGACGTTCTACGTACAGGCGGACAGCCCTGAGGACATGCACAGCTGGATCGAGGGGATTGGAGC  
AGCTGTCCAGGCTCTGAAGTGCCACCCTAGGGAGCCGTCCTTTTCAAGGTCCATTCTTTGACTCGACCT  
GGAAGTTCTACCCTTACAAGCGCCCTAACTCCATCTTGTCAAGAAGGCGGCCACCAAGCAGAGAAGAAAA  
GAGGTCTCTGTAAGGCCCTTCGGTGGCCTCCTCTGGCAACCCTGGACACCTGTCCCCCAGGCTGAGGA  
AAAGCCGTTGTGGTGGAGCATGCTCCAGAGGACTCTCTATTCATGCCTAACCTGGGGAGAGCAGAGCT  
ACAGGGGTGCTGGCAAGTTCTCGAGTCAGGCACAGGTGCGAGCCCCAGCACCCCAAGGAGAAGCCATTTG  
TATTCAACCTTGATGACGAAAACATACGAACCTCTGATGTGTGATATGCAGTGCCCGTTGCGTGCAGGAG  
AGCCAGGGGCTGTGACTTATTTTCTCTGCCATGGTAGAGGACAGAGTCTAATGGCACTCAGAGTGGAGGG  
GCTCGCTAGCTGGCTTTGGTTTTGCTATTATTGACACCATTTATTTAACTGGGGAAGCCACTAGGTTA  
GACCCACAGGCATACTCTATTACCTCTTGAATGTCCCATTTTCCCAAGGTTTCTAGTGAGGGGTAGTT  
TTCATACTTCTGTCTGGAGGAGCTAGAGTCCAGTTTACCCATAAGCTTTTCCCTCTTGATTTCTTT  
TATAGTCTTGGTTTTGCACAGGATCTCAGGCTAAGAACTGCTTTTCTATCTACCCCTGTTTATTGACTGAAG  
TCTGGGGATCAGTCAGACCATTAGCATCCAGACTGACAGGCATCGGGTGAGACTCAGGTTATACAGTTCC  
GATTGGGATCTATCTGAGAGCGGTGTAAGAGTCTGGGGAGTGAAAGGTGAATTTTGGGATATCTCCCC  
CAGGCAGTTCTTTTCAAGTACCTCCCAGGGGAGCAGACAGGACCTCTTGAGTCATGAGGGCTAATTA  
ACTGCTATAACCACTTGTAGGAATCATGTCGCTCTTGTGCTCCATGACCCCAATGACATAGAAGT  
AGTGACAGAGCCACAGTCTATTTTCCGTGTCATGTCGAGGATATGCGGTTATCAGGGTCAAATGTTA  
TGATTGCAGAGACCAGAACAGAGACTTCCCTTGAAACTGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGT  
TGTGAAAGAGAGAGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAAAC  
ACTCATGTTAGGACAATCTCTCTCTCAGAGGCTTACATTAATATAAAGCAGCTACTGAGAAGAGATGGAT  
GGTTGTTTATTGCAATAAGCATCTTTGATCCATGTTTTCCAGACAGGAGAATGACTCTTTCTTGGCACAG  
TGAATCTTGAATTCCTGTCTCACAGCTCTTTTATAGCCAGTCGACTTTTGTGTAATGCTAAGTGCTTGT  
TACTGTGCAGCCTGTGGCCACTTGCTCTTTGCTTTATTGCACTGCCTGTTAAATGAAGTCATGCACAC  
ACCAGGTGGAACCTAGCGTCTGATAAGAGCCTATATACTCACTAGTGAAGAGACTTAAATGTGATTTTT  
CCCCCCCAGTACTTACATTTTTCATGGAATAGAACTGGGAATAAAGAAATTGAATCAGAGGATGAATTG  
TTGGCTAGGAATTTCTAGGTTCTAGAAGAGTTTGAAGATTAGATTTCCACCCAAAATTTAGGGTATGG  
CTTTTCCACTGGCAAGATACTATTTCCAGTGCCTTTGGGGTCATTTCTATCAGCCTTCAATGAAGTGTG  
CTACCAGAAAATTATGGCCATTTCTACAGGGAGAGAGGTGATGGCTCATTCTATCTGTGTAACCTTTTA  
TCTGCTAGGTAAATTAACCTGTTTTTAATTAGAAATTTGTAGCTCTAAGAGACTAGGAGGCATTTTTTA  
TTTAAGCTAGTTAGCACTCTGTGTCCATAGTTAATGCAAAAGCAAAAACAGGCATAAAGCTCTCCGGGTG  
AGAGGAAGCATGCTCTTTCAAATGTGACTGTGACCCTGAATCTGGTGCCCACTGAAGACTTCTGGGCTC  
CGTGTGTGGGAGCTGTCCCCGACTTTGTCTGGCCTTGTGATCCTGATGAAAAGAAAACCAACAAAAAT  
CAGTGGGCTTCTTCTCTTCTGTTCATGATCTTGTGTCTCCCATCCCTAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_031257  
**Insert Size:** 1278 bp

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                          |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u><a href="#">BC010215</a></u> , <u><a href="#">AAH10215</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>           | 3217 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1278 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 83436                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u><a href="#">Q9ERS5</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 8 A2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | Binds specifically to phosphatidylinositol 3,4-diphosphate (PtdIns3,4P2), but not to other phosphoinositides. May recruit other proteins to the plasma membrane.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                         |