

Product datasheet for MC212331

Arr3 (NM_133205) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arr3 (NM_133205) Mouse Untagged Clone
Tag: Tag Free
Symbol: Arr3
Synonyms: Arr4; Car; Carfl; Carr
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212331 representing NM_133205
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCACAGTGTTTAAGAAGACTAGCTCCAATGGGAAGTTTTCCATCTACCTGGGAAACGAGACTTCG
 TGGATGATGTGGACTGTGGAGCCATTGATGGAGTCGTCCTTGTGACCCGAGTACTAGAAGTGC
 AAAGTTGTTTGCAGGTTGACCTGTGCTTTTCGCTATGGCCGTGATGACTGGATGTGATTGGTCTGACA
 TTTTCGAAAGATCTATGTACAAACCAAGCAAGTGGCTCCAGCTGAACCCACCAGCATCCAGGGCCCC
 TCACAGCCTTACAGGAGCGGCTTCTGCACAAGCTCGGGTCAATGCCTATCCTTTTACACTTCAGATGGT
 TGCTAACCTGCCCTGTTCTAGTAACACTGCAGCCTGGGCCTGAAGATTCAGGAAAGCCCTGTGGGGTTGAC
 TTTGAAGTGAAGAGTTTCTGTGCAGAAAATCTGGAAGAGAAAAATCCCTAAGAGTGATTCTGTGCAGCTGG
 TTGTACGGAAAGTGCAGTTTTTCAGCCCTGGAACCCGGCCCTGGTCTTCCGACAGACCATTGGAAGCTT
 CTTTTTGTATCTCAGCCCTACAACCTGCAGCCCTGGATGGACAGGGAGGTTTATTACATGGAGAAGCT
 ATTTCTGTACATGTTTCTATCAACAATATACCAACAAGGTCATCAGAAGAATCAAGATTGCAGTTGTCC
 AGACCACAGATGTTGCTGTATTCACTAGACAAGTACAGAAGACTGTGTTTGTTCAGGAGTTCCACAGA
 GACAGTAGCTGCTAACTCCAGCTTCTCCAGACCTTTGCAGTAACCCACTCCTGGCTGCCAAGTGTGAG
 AAGCAGGGCCTGGCACTGGATGGCAAACCAAGCATGAAGACACCAATCTGGCCTTAGCACAATTCTTC
 GACCTGGAATGAACAAGGAGCTTCTGGGGATCCTGGTGTCTACAAAGTTAGAGTCAACTTGGTGGTGTG
 CTATGGGGGCAATTCTAGGAGGTCTGCCAGCCAGTGTGTTGGTGTGGAGCTGCCCGTGATCTTGATCCAT
 CCAAAGCCATCTCTGGGGAGAGAGCAGTGGCTACCAGCTCGGAGGACATAGTCATCGAAGAGTTTATGC
 AGCACAACAGCCAGACACAGAGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|-------------------------------|---|
| ACCN: | NM_133205 |
| Insert Size: | 1146 bp |
| OTI Disclaimer: | 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). |
| 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: | <u>NM_133205.3, NP_573468.1</u> |
| RefSeq Size: | 1359 bp |
| RefSeq ORF: | 1146 bp |
| Locus ID: | 170735 |
| UniProt ID: | <u>Q9EQP6</u> |
| Cytogenetics: | X C3 |
| Gene Summary: | May play a role in an as yet undefined retina-specific signal transduction. Could binds to photoactivated-phosphorylated red/green opsins.[UniProtKB/Swiss-Prot Function] |