

Product datasheet for **MG203296**

Arr3 (BC017145) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arr3 (BC017145) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arr3
Synonyms:	mCAR, mCARFL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203296 representing BC017145 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCACAGTGTTTAAGAAGACTAGCTCCAATGGGAAGTTTCCATCTACCTGGGGAACGAGACTTCG
TGGATGATGTGGACACTGTGGAGCCATTGATGGAGTCGTCCTTGTGACCCGAGTACTAGAAAGTGC
AAAGTTGTTTGCAGGTTGACCTGTGCTTTTCGCTATGGCCGTGATGACTTGGATGTGATTGGTCTGACA
TTTCGCAAAGATCTCTATGTACAAACCAAGCAAGTGGCTCCAGCTGAACCCACCAGCATCCAGGGCCCCC
TCACAGCCTTACAGGAGCGGCTTCTGCACAAGCTCGGGTCAATGCCTATCCTTTTACACTTCAGATGGT
TGCTAACCTGCCCTGTTCAGTAACACTGCAGCCTGGGCCTGAAGATTGAGAAAGCCCTGTGGGGTTGAC
TTTGAAGTGAAGAGTTTCTGTGCAGAAAATCTGGAAGAGAAAATCCCTAAGAGTGATTCTGTGCAGCTGG
TTGTACGGAAGTGCAGTTTTCAGCCCTGGAACCCGGCCCTGGTCCTTCGGCACAGACCATTGGAAGCTT
CTTTTGTGATCTCAGCCCTACAACCTGCAGGCCTGGATGGACAGGGAGGTTTCATTACCATGGAGAAGCT
ATTTCTGTACATGTTTCTATCAACAATAACCAAGGTCATCAGAAGAATCAAGATTGCAGTTGTCC
AGACCACAGATGTTGTCTGTATTCAGTACAGCAAGTACACGAAGACTGTGTTTGTTCAGGAGTTCACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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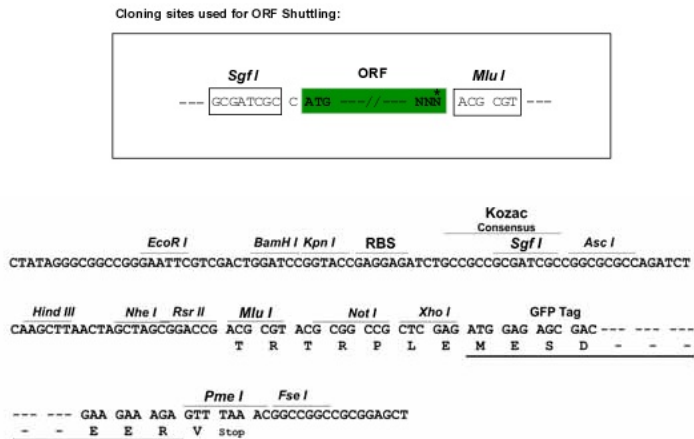
Protein Sequence: >MG203296 representing BC017145
 Red=Cloning site Green=Tags(s)

MSTVFKKTSSNGKFSIYLGKRDFVDDVDVTEPIDGVVLVDPEYLEGRKLFVRLTCAFRYGRDDLVDVIGLT
 FRKDLVYQTKQVAPAEPTSIQGPLTALQERLLHKLGVNAYPFTLQMVANLPCSVTLQPGPEDSGKPCGVD
 FEVKSFCAENLEEKIPKSDSVQLVVRKVQFSALEPGPGPSAQTIRSFFLSSQPLQLQAWMDREVHYHGEA
 ISVHVSINNYTNKVIRRIKIAVVQTTDVVLYSLDKYTKTVFVQEFT

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC017145

ORF Size: 768 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: BC017145.1

RefSeq Size: 1706 bp

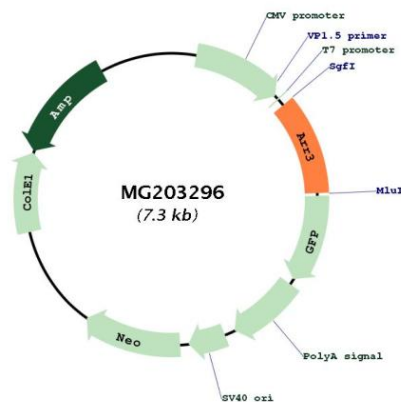
RefSeq ORF: 770 bp

Locus ID: 170735

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]

Product images:



Circular map for MG203296