

Product datasheet for **MG215805**

Arhgap21 (NM_001128084) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgap21 (NM_001128084) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Arhgap21
Synonyms: 5530401C11Rik; AA416458; ARHGAP10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215805 representing NM_001128084
Red=Cloning site Blue=ORF Green=Tags(s)

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

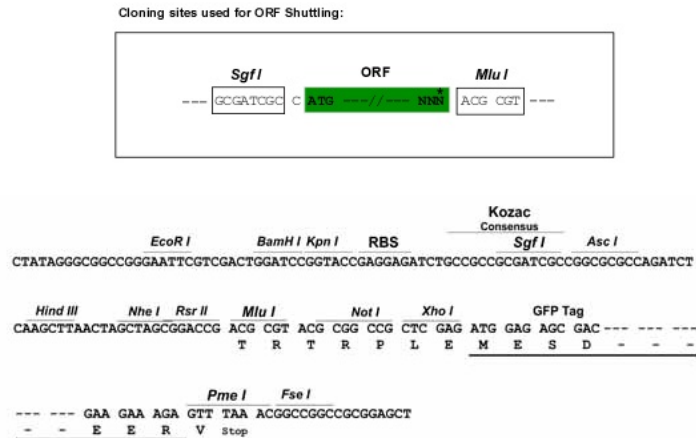
>MG215805 representing NM_001128084
 Red=Cloning site Green=Tags(s)

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 SADKESEL SAVNRLKPKCSAQDLSISDWLARERVRTSASDLSRGEGLPQAESPSVLGTPISTHSPSPSQ
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001128084

ORF Size: 5865 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:

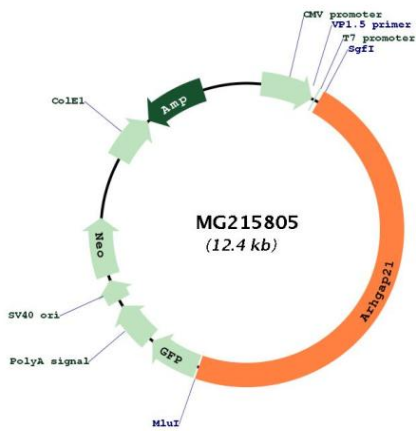
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001128084.2](#), [NP_001121556.2](#)

RefSeq Size: 6974 bp

RefSeq ORF: 5868 bp
Locus ID: 71435
Cytogenetics: 2 A3
Gene Summary: Functions as a GTPase-activating protein (GAP) for RHOA and CDC42. Downstream partner of ARF1 which may control Golgi apparatus structure and function. Also required for CTNNA1 recruitment to adherens junctions (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215805