

Product datasheet for **RG209803**

ARGLU1 (NM_018011) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: ARGLU1 (NM_018011) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: ARGLU1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG209803 representing NM_018011
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGGCCGGTCTCGGAGCCGGAGCTCGTCCCGCTCCAAGCACACCAAGAGCAGCAAGCACAACAAGAAGC
 GCAGCCGGTCCCCTCGCGATCCCAGGACAAGGAGCGCGTGCAGGAAAGCGTTCCAAATCTCGGAAAGTAA
 ACGGAACCGGCGGGAGTCCGGTCCCGTTCGCGCTCCACCAACACGGCCGTGCCGCGGAGCGG
 GACCGGGAGCGCGCTCGTCCCAGCCGACCGCATCGACATCTTCGGGCGCACGGTGAGCAAGCGCAGCA
 GCCTGGACGAGAAGCAGAAGCGAGAGGAGGAGAAGAAAGCGGAGTTCGAGCGCAGCGAAAAATTCG
 ACAGCAAGAAATAGAAGAAAACTCATCGAGGAAGAAACAGCACGAAGAGTAGAAGAATTGGTAGCAAAA
 AGGGTGGAGGAAGAACTGGAGAAAAGGAAGGATGAAATTGAACGAGAAAGTTCTCCGAAGGGTGGAGGAAG
 CCAAACGCATCATGGAAGCAGTTGCTCGAAGAACTCGAGCGACAGAGACAAGCTGAGCTTGCCGCACA
 AAAAGCTAGAGAGGTAACGCTCGGTCGTTTGGAAAGTAGAGACAGTCCATGGCAAACTTTCAGTGTGG
 GTTCTGCCTCCTGCTCAGTTCAGAAAGAGATGGAATACAGACTATCTAATTCCTTCTCGCTAAACTTA
 ACATTGCTGCGAAAGTAAATTTTTAGCCTATTCAGAGGTGCTGACTGATAACTAAAAGTTGGAAGCTT
 TTATAAACATATTCAAGGATACTTTTTGATTTAATGAACTGGCTATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

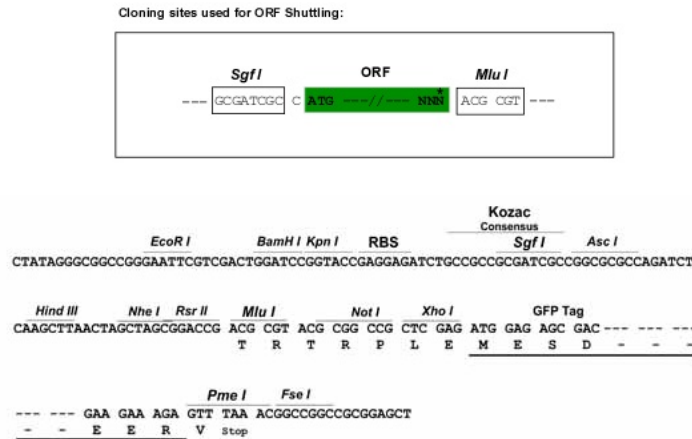
Protein Sequence: >RG209803 representing NM_018011
Red=Cloning site Green=Tags(s)

MGRSRSRSSSRKHTKSSKHNNKRSRSDKERVKRKSKSRESKRNRRESRSRSTNTAVSRER
 DRERASSPPDRIDIFGRTVSKRSSLDEKQKREEEKKAEFERQKIRQQEIEEKLIEEETARRVEELVAK
 RVEELEKRRKDEIEREVLRRVVEAKRIMEKQLLEELERQQAELAAQKAREVTLGRLESRDSPWQNFQCW
 VLPPAQFRKRWNTDYLIPFSSKLNIAAKVNFLAYSEVLTDLNKVGSFYKTYSRILFDLMELAI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018011

ORF Size: 819 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_018011.2](#), [NP_060481.2](#)

RefSeq Size: 4024 bp

RefSeq ORF: 822 bp

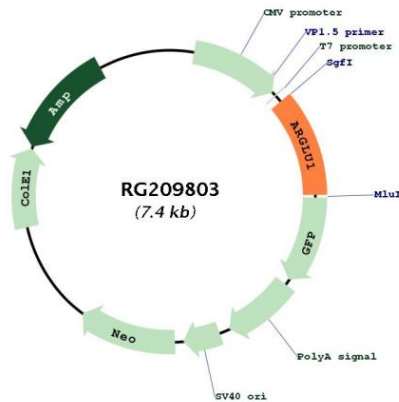
Locus ID: 55082

UniProt ID: [Q9NWB6](#)

Cytogenetics: 13q33.3

Gene Summary: Required for the estrogen-dependent expression of ESR1 target genes. Can act in cooperation with MED1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209803