

Product datasheet for **RG202698**

ARL 1 (ARL1) (NM_001177) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARL 1 (ARL1) (NM_001177) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ARL 1
Synonyms: ARFL1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202698 representing NM_001177
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGTGGCTTTTTCTCAAGTATATTTCCAGTCTGTTTGGAACTCGGAAATGAGAATTTAATTTGG
 GATTAGATGGAGCAGGAAAAACCACAATTTGTACAGATTACAAGTGGGAGAAGTTGTTACTACTATACC
 TACCATTGGATTAATGTAGAGACGGTGACGTACAAAAACCTTAAATCCAAGTCTGGGATTTAGGAGGA
 CAGACAAGTATCAGGCCATACTGGAGATGTTACTATTCAAACACAGATGCAGTCATTTATGTAGTAGACA
 GTTGTGACCGAGACCGAATTGGCATTTCCAAATCAGAGTTAGTTGCCATGTTGGAGGAAGAAGAGCTGAG
 AAAAGCCATTTTAGTGGTGTTCGAAATAAACAGGACATGGAACAGGCCATGACTTCCTCAGAGATGGCA
 AATTCACTTGGGTACCTGCCTGAAGGACCGAAAATGGCAGATATTCAAACGTCAGCAACCAAAGGCA
 CCGGCCTTGATGAGGCAATGGAATGTTAGTTGAAACATTA AAAAGCAGACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202698 representing NM_001177
 Red=Cloning site Green=Tags(s)

MGGFFSSIFSSLFGTREMRLILGLDGAGKTTILYRLQVGEVVTIPIG FNVETVYKNLKFQVWDLGG
 QTSIRPYWRCYYSNTDAVIYVVDSCDRDRIGISKSELVAMLEEEELRKA ILLVVFANKQDMEQAMTSEMA
 NSLGLPALKDRKWQIFKTSATKGTGLDEAMEWL VETLKS RQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



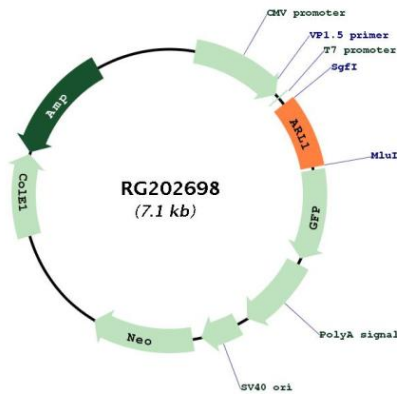
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Cytogenetics: 12q23.2

Domains: RAB, SAR, ARF, arf

Gene Summary: The protein encoded by this gene belongs to the ARL (ADP-ribosylation factor-like) family of proteins, which are structurally related to ADP-ribosylation factors (ARFs). ARFs, described as activators of cholera toxin (CT) ADP-ribosyltransferase activity, regulate intracellular vesicular membrane trafficking, and stimulate a phospholipase D (PLD) isoform. Although, ARL proteins were initially thought not to activate CT or PLD, later work showed that they are weak stimulators of PLD and CT in a phospholipid dependent manner. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG202698