

## Product datasheet for **RG204774**

### ARV1 (NM\_022786) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARV1 (NM\_022786) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ARV1  
**Synonyms:** DEE38; EIEE38  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG204774 representing NM\_022786  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAACGGCGGGCGGAGCGGCCTGCAGCAGGGGAAGGGGAACGTGGATGGGGTGGCAGCGACTCCTA  
CTGCTGCCTCGGCCTCTGCCAGTACAGGTGCATCGAATGCAACCAGGAGGCCAAAGAGTTGTACCGAGA  
CTATAACCACGGTGTGCTGAAGATAACCATCTGTAATCCTGCCAGAACTGTAGACAAATATATCGAG  
TATGATCCTGTTATCATCTTGATTAATGCTATATTGTGCAAAGCTCAGGCCTACAGACATATTCTTTCA  
ATACTCAAATAAATATCCATGGAACCTCTGCATATTTTGTGTTTGTGAAGCATACCTGAGGTGGTG  
GCAGCTTCAAGATTCCAACCAGAATACTGCCCTGATGACTTGATCAGATATGCTAAGGAATGGGATTTT  
TATAGAATGTTTGCATTGCTGCTTTAGAACAACTGCCTATTTTATTGGCATTTTACCTTCTGTGGG  
TAGAACGGCCATGACGGCAAAAAAAAAAGCCCACTTCATTTTGTGCTGAAAGCATTATTATTCTAG  
CTACGGAAACTCTTGCTGATTCCAGCTGTCATTTGGGAACATGACTACACATCTGTGTGCCTCAAACCT  
ATTAAGTATTTGTTCTTACATCAAATTTTCAGGCAATTAGAGTGACCCTAAACATCAACCGTAAGCTCT  
CCTTCTTGCCGTGTTGAGTGGCTTACTGCTGAAAGCATCATGGTCTACTTCTCCAGAGTATGGAATG  
GGATGTTGGAAGTGATTATGCCATCTTTAAATCTCAGGACTTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204774 representing NM\_022786  
 Red=Cloning site Green=Tags(s)

MNGNGRSGLQQGKGNVDGVAATPTAASASCQYRCIECNQEAKELYRDYNHGVLKITICKSCQKPVDKYIE  
 YDPVIIILINAILCKAQAYRHILFNTQINIHGKLCIFCLLCEAYLRWWQLQDSNQNTAPDDLIRYAKWDF  
 YRMFAIAALEQTAYFIGIFTFLWVERPMTAKKKPNFILLKALLSSYGKLLIPAVIWEHDYTSVCLKL  
 IKVFVLTSNFQAIRVTLNINRKL SFLAVLSGLLLESIMVYFFQSMEDVGSDYAIFKSQDF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_022786

**ORF Size:** 813 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\\_022786.3](#)

**RefSeq Size:** 1450 bp

**RefSeq ORF:** 816 bp

**Locus ID:** 64801

**UniProt ID:** [Q9H2C2](#)

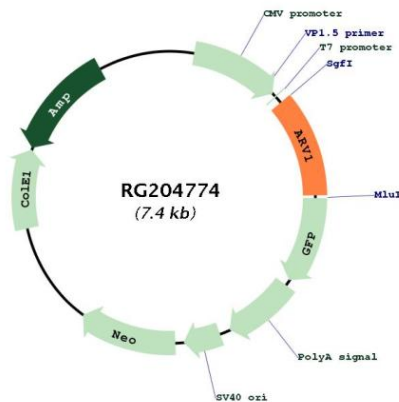
**Cytogenetics:** 1q42.2

**Domains:** Arv1

**Protein Families:** Transmembrane

**Gene Summary:** this gene encodes a transmembrane protein that contains a conserved zinc ribbon motif at the N- terminus. A similar protein in mouse is thought to function in fatty acid homeostasis. Mutations in this gene are associated with early infantile epileptic encephalopathy 38. [provided by RefSeq, Nov 2016]

### Product images:



Circular map for RG204774