

Product datasheet for **SC112429**

ARV1 (NM_022786) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARV1 (NM_022786) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARV1
Synonyms:	DEE38; EIEE38
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_022786 edited

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ATGGGCAACGGCGGGGAGCGGCCTGCAGCAGGGGAAGGGGAACGTGGATGGGGTGGCA
GCGACTCCTACTTCTGCCTCGGCCTCCTGCCAGTACAGGTGCATCGAATGCAACCAGGAG
GCCAAAGAGTTGTACCGAGACTATAACCACGGTGTGCTGAAGATAACCATCTGTAATCC
TGCCAGAAACCTGTAGACAAATATATCGAGTATGATCCTGTTATCATCTTGATTAATGCT
ATATTGTGCAAAGCTCAGGCCTACAGACATATTCTTTCAATACTCAAATAAATATCCAT
GGAAAACCTGTCATATTTGTTGCTTTGTGAAGCATACCTGAGGTGGTGGCAGCTTCAA
GATTCCAACCAGAATACTGCCCTGATGACTTGATCAGATATGCTAAGGAATGGGATTTT
TATAGAATGTTTGCATTGCTGCTTTAGAACAACTGCCTATTTTATTGGCATTTTTACC
TTCCTGTGGGTAGAACGGCCCATGACGGCAAAAAAAAAAGCCCAACTTCATTTTGTGCTG
AAAGCATTATTATCTAGCTACGGAAAACCTTGTGATTCCAGCTGTCATTTGGGAA
CATGACTACACATCTGTGTGCCTCAAACCTATTAAGTATTTGTTCTTACATCAAATTTT
CAGGCAATTAGAGTGACCCTAAACATCAACCGTAAGCTCTCCTTCTTGGCCGTGTTGAGT
GGCTTACTGCTGGAAAGCATCATGGTCTACTTCTCCAGAGTATGGAATGGGATGTTGGA
AGTGATTATGCCATCTTTAAATCTCAGGACTTCTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022786 unedited CAGCAATATGTAATACGACTCACTATAGGGCGGCCGCAAATTCGCACGAGGGNAAATGG GCAACGGCGGGCGGAGCGGCCTGCAGCAGGGGAAGGGGAACGTGGATGGGGTGGCAGCGA CTCCTACTTCTGCCTCGGCCTCTGCCAGTACAGGTGCATCGAATGCAACCAGGAGGCCA AAGAGTTGTACCGAGACTATAACCACGGTGTGCTGAAGATAACCATCTGTAATCCTGCC AGAAACCTGTAGACAAAATATATCGAGTATGATCCTGTTATCATCTTGATTAATGCTATAT TGTGCAAAGCTCAGGCCTACAGACATATCTTTTCAATACTCAAATAAATATCCATGGAA AACTCTGCATATTTTGTGCTTTGTGAAGCATACCTGAGGTGGTGGCAGCTTCAAGATT CCAACCAGAATACTGCCCTGATGACTTGATCAGATATGCTAAGGAATGGATTCTATA GAATGTTTGCATTGCTGCTTTAGAACAACTGCCTATTTTATTGGCATTTTTACCTTCC TGTGGGTAGAACGGCCATGACGGCAAAAAAAAAAGCCCAACTTCATTTTGTGCTGAAA GCATTATTATTATCTAGCTACGGAAAACCTTGCTGATCCAGCTGTCATTTGGGAACAT GACTACACATCTGTGTGCCTCAAACCTATTAAGTATTTGNTCTTACATCAAATTTTCAG GCAATTAGAGTGACCCTAAACATCAACCGTAAGCTCTCCTTCTTGCCGTGTTGAGTGGC TTAAGTGTGAAAGCATCATGGTCTACTNCTCCAATATGGAATGGGATGTTTGAAGTG ATATGCCCATCTTAAATCTCAGGACTTCTGAAGAGTTTATTCTTTTCACTTTCTGGGGAT GACCACTGTATCTGAAGAAAAGAACTGAAATAAACAACCTCTCATTTTGTGATAAATG AACAAGAT</p>
3' Read Nucleotide Sequence:	<p>>Forward primer walk for NM_022786 unedited NNTTTTGGGGGGGCCAGAACGCAAAAAAAAAACCCACTTCTTTTGTGCTNGAAACAT TATTATTATCTAGCTACGAAAACCTTGCTGATCCAGCTGTCATTTGGGAACATGACT ACACATCTGTGTGCCTCAAACCTATTAAGTATTTGTTCTTACATCAAATTTTCAGGCAA TTAGAGTGACCCTAAACATCAACCGTAAGCTCTCCTTCTTGCCGTGTTGAGTGGCTTAC TGCTGAAAGCATCATGGTCTACTTCTCCAGAGTATGGAATGGGATGTTGGAAGTGATT ATGCCATCTTAAATCTCAGGACTTCTGAAGAGTTTTATTCTTCTTCACTATCTGTGGCA TGACCAGCTGTATCTGAAAGAGAAAAGACATGAAATATAAACCAACCTCCTCATTTCTGT TGAGTAAATGAAGCAAAGATTGGAAACACTTTCTGAAAAGAAAGCAATGATAATAGCG GTGGATACCCACCCACAAAATGCACCAAGAGACAAGCCATTTACATACAGATATTCAC AGTCACACATAGAAACACCCACATGGACACAAGGAATGTTGCTGCAGAGACTGAATGACA TGCAACAGGTGAAGTTTATACGTTTATACACAAGGCCAGGTAAGCGCTCATAATTCACAC ATAATAAACATCTAAGTTTCATTCTTTGACAAGGTTATATCCTTTTAAATTTAAAGTT GTTACTGGCTAAAAATTTTGTGGTCTACCAAAAAACCCCTTTTAAATAAAATCTTTCC GAATAAAAAAAAAAAAAAAAAACTCCGCCTCTAAATTGCGGCCCGGGCTTAACTGTTTTCC TTGACAAAATCCCGGGGGATCCCCTGGGACCCCTCCCCTGGCTCTCTGGGCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_022786
Insert Size:	1400 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_022786.1](#), [NP_073623.1](#)

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]