

## Product datasheet for **RN202647**

### **Adgrl4 (NM\_022294) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Adgrl4 (NM_022294) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adgrl4
Synonyms:	Eltld1; Etl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202647 representing NM\_022294  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGACTCCTCCTGCTTCTAGTGGGTCTCTCCACTTTGCTGAATCACTCCTACACAAAACTGCAAGA  
 CACCGTGTCTCCAAATGCCAAGTGTGAGGTGTTGGACGAAGTGGCAGCCTGCTTCTGCAGTACAGGCTA  
 CACTGGGAATGGCATCACGATTTGTGAAGATGTAGACGAGTGCAACGAGACCTCCGTCTGCGGTGATCAC  
 GCTGTGTGTGAAAAACACGAATGGAGGATTTAGCTGCTTCTGCGTGGAAAGTTATCAGACCTCCACCGGGA  
 AGACGCAGTTCACGCCTAATGATGGCTTCTACTGCCAAGATGTAGACGAGTGCAACGAGACCTCCGTCTG  
 CGGTGATCACGCTGTGTGTGAAAAACACGAACGGAGGATTTAGCTGCTTCTGCGTGGAAAGTTATCAGACC  
 TCCACCGGGAAGACGCAGTTCACGCCTAATGATGGCTTCTACTGCCAAGAAATTTGTAATCAAATTGCC  
 ACTTAGAGCATGACTGCATTGCTGCAAACATTAATAAACTCTAAAAAGAATTGGACCCATAACAGAACA  
 GCTGACTTTACTCCATGAAATCTACAAGAATTCTGAGGCTGAGCTTTCTCTGGTGGATATAGTCACATAC  
 ATAGAGATACTAACAGAAATCATCCTCACTACAAGGCTACATAAAGAACACCACCTTCGCCCAAGGATGCC  
 ACTTCGGTTCAGCTCTTACTGAATTTGGAAAAACCGTCAATAATTTTGTGAAAAGAACACACATGAAAT  
 GTGGGACCACTTACCTACAAATCGTAGAAGACTCCATCTCACAAAATGATGCACGCTGCTGAGCACGTC  
 ACCTTACAGATCTCTCAGAACATCCAGAAGAATACTCAGTTTGACATGAATTTACCGACTTGGCTCTCA  
 AGGTTTTCGTTTTTGATTCAGTTCACATGAAGCATACTCATCCCCATATGAATGTGGACGGAGGCTATGT  
 AAAAATATCCCGAGGAGAAAACTGCATATGACCCAAATGGCAACGTCATTGTTGCATTCTGTGCTAT  
 AGGAGCATTGGCCCTTGCTTTCCTCATCTGACGACTTCTACTGGGCGCTCAGAGTGACAATCCAAG  
 GAAAGGAGAAGGTCATTTCTTCAGTGATTTCTGCCTCAATTAGCTCAAACCCACCCACACTGTATGAAAT  
 TGAAAAAATTACATTTACACTGAGTCATGTAAAGCTCTCAGATAAGCACACAGACAGTGCCTTTTGG  
 AACTACTCAGTCGATGACATGAACAATGGCAGCTGGTCATCTGAGGGCTGTGAGCTGACATACTCCAACG  
 ACACCCATACTTCTGCGATGTAGTCATCTGACACACTTTGCGATTTTGTGATGTCCCCAGTACCTCCAT  
 TGAAGTTAAAGATTACAATATCCTGACGAGGATCACTCAGCTGGGAATAATCATCTCCCTGATCTGCCTC  
 GCCATATGCATTTTACCTTCTGGTTCTTCAGTGAGATTCAAAGCACAGGACCACAATCCACAAGAATC  
 TCTGCTGCAGCCTTTTCTGCACTAGTTTTTCTTGTGCGCATCAACATAAACACAAACAAGCTGGT  
 CTGCTCTATCATCGTGGCTGCTCCATTACTTCTTCTAGCTGCCTTTGCCTGGATGTGCATTGAAGGC  
 ATCTACCTATACCTCATGTTGTTGGGCTCATCTATAACAAGGGTTTTTACACAAGAATCTATATCT  
 TTGGCTATCTTAGCCCGCTGTAGTTGTTGGATTCTCGGCCTCTTGGGATACAGATATTATGGTACCAC  
 CAAAGTATGTTGGTTGAGCACTGAAAACACTTTATCTGGAGCTTCATAGGGCCAGCGTGTCTAATCATT  
 CTTGTTAATCTCTGGCTTTTGGAGTTATCATATACAAAGTGTCCGCCACACTGCTGGACTGAAGCCAG  
 AAGTTAGTTGCTACGAGAACATAAGGCTTTCGCCAGAGGAGCCCTGGCCCTCCTCTTCTCTGGGTAC  
 CACCTGGACCTTTGGGGTTCTCCACGTAGTGCATGCATCTGTTGTGACAGCCTACCTCTTACAGTCAGC  
 AACGCTTCCAAGGGATGTTATTTTCTATTCCATATGTGTTTTATCTAGAAAGATTCAAGAAGAATATT  
 ACAGATTGTTCAAAAATGTCCTGCTGTTTTGAATGTTAAGA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_022294  
**Insert Size:** 2217 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_022294.1](#), [NP\\_071630.1](#)

**RefSeq Size:** 4274 bp

**RefSeq ORF:** 2217 bp

**Locus ID:** 64124

**UniProt ID:** [Q9ESC1](#)

**Cytogenetics:** 2q45

**Gene Summary:** may play a role in heart development [RGD, Feb 2006]