

## Product datasheet for **MR220030**

### **Adgrf4 (NM\_030067) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Adgrf4 (NM_030067) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adgrf4
Synonyms:	4632435A09Rik; AV239010; Gpr115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR220030 representing NM\_030067  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGCCCTGGATTGCCATGGTTTGTGTTTTAGTATTTTTCTGACAACAGAATGTTCTCATTCCAAC  
 CCAAGACTCACAGAAAAGATGAAGATAAATTTCAAATATCTCTACAGAAGCATGAGTTTAGACCAAGACA  
 GGGTAAATGTGATGGACTGTGCAGCTCTTCTTCCAGCTGTAACCCAGAGCTGTCCTTGGAACCTCCGTGGA  
 GAAATCGTATTCACATGTAATCAAAACAATGGCAAAAAACAATCGAAACATGCACAAGTCTCTGTGG  
 ACACCTTGTTCAGCGCATACATCCTGCAGCTAGCCTATCCTTGGCGTCTTCTTGTTTTTCCCATGAG  
 CTTAATTGGCAATGCAGCACCAGTCCATATTGGAAATGTATTTCAAGGAATCCAAAAGTACTGCCCCGAG  
 GACTACGTTTGCATTGTTGATGCTGTGAAATCCTCTGCAGTTACATCTGGAAATATTGCATTATAGTAG  
 AGTTATTAATAAATATCTCTTCAAACCTGCAAACCTTCTGGAATACATGATAATGTGAATTGGAAGAAAAT  
 GAAGAATATGGCAAAGTGGCCAACCATATCCTTGGCCCCACTGCCATTTCAAATGGGCTTTCATTGCC  
 AACAAAAATGCCAGCTCAGATCTGTTGGAGTCGGTGAACCTTTTTGCCAAGAAAATCCAAATCCAAGGTA  
 AATCTGAGAGCATCGTAGATGAACCTTTTATTACAGACGAAAGGCTCTCGTATCTCTCACAGTTCCCTCAGA  
 GCACAGCCTCAGCCTCTGTGACCCAGGTACAATGCTACAGAAGATGCTTAGTGGTGATCGAAAATCCT  
 AGGCAAGCATTACAGGAGCTGTCGTTCAATGCCTCCCAAGCCATTGTTGTCGCTTTTCCAACCTTGGGGG  
 CCATTCTAAAAGAAGTCCATCGGCCAAATACAAATCTCCAAAAGCCTATAGATGACCTCATCCTATCACT  
 GGTTTTGCCAGAAGTCTGAACGAAATCATACTCACCTTTGATAAAATCAATAAATCCCAGAGCACCAGC  
 AGCCAGTGTGTCAGCTGGGATCCTGCAACAGGGCAGTGGGATGAGAGCCCATGTACAGTGATGTCAGACA  
 TCAATAGCACAGTGAAATGCCGGTGCAGGCACACCAAAGCTGTGACGTCCTTCTCCATCCTCATGTCTTC  
 TAAGCCTGTAAGAATAACGATTCTGAACCATATCACCTTCATTGGACTCAGCATCTCCATCTTTAGCTTG  
 GTGCTCTGCCTGGTCATTGAGGCCATCGTCTGGTCCCAGGTTGGTTTACAGAGATATCCTACATGCGCC  
 ACGTGTGCATCGTGAACATTGCAGTGTCCCTCCTGACTGCCAATGTGTGGTTCATCATTGGCTCCAACCT  
 CAGTGCCAACGTTCCAGGAGGATCACAAGTGGTGTGGCTGTGACATTTCTGCCACTTCTTCTCCTC  
 TCCCTGTCTTCTGGATGCTCTTCAAAGCGTGTCTCATAGTCTATGGAATACTGGTTGTCTTCCGCAGGA  
 TGATGAAGTCTCGGATGATGGCCATTGGCTTTGCCATTGGCTATGGGTGTCCCCTTGTGATCGGGTTCAT  
 CACTGTTACTGTCACAGAGCCTGGGAAGGCTACACCAGAAAAGATGCCTGTTGGCTTAATTGGAACCAA  
 ACCAAAGCCCTTTTTGCTTTTGTATCCCAGCCTTGGCCATTGTGGCTGTGAATCTCCTTGTGGTCTGG  
 CAGTTGCTATCAACACACAGAGGCCCTTGATTGGCAGTTCAAATCTCAGGATATGGCCATTGTTTTAG  
 GATCAGCAAAAATGTTGCCATCCTACCCCACTTCTGGGACTGACCTGGGGTTTTGGTCTAAACCCCTG  
 CTAGAAGGCGTACACCTGGTATTCCATATAATCTTCGCCTTGCTCAATGCTTTCCAGGGCTTTTTCATCT  
 TGCTGTTTGGTACCATTATGGATCAAGAATAAGAGATGCTCTGAGGATGAGGGTATCTTCATTGAAGGG  
 GAAATCAAGGGCAGCAGAGAAGGTGTCATTAAGTCCAGCCAATGGATCCAGAATACTGAATCGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR220030 representing NM\_030067  
 Red=Cloning site Green=Tags(s)

MKPWIAMVCLVFFLTTECSHSPKTHRKDEDKFQISLQKHEFRPRQGKCDGLCSSSSSCNQSCPWNFRG  
 EIVFTCNQNKWQKTIETCTSLVDTLFQRIHPAASLSLASSVFPMSLIGNAAPVHIGNVFQGIQKYCPE  
 DYVCIVDAVKSSAVTSGNIAFIVELLKNISSNLQTSGIHDNVNWKMKNYGKVANHILGPTAISNWAFIA  
 NKNASSDLESVNSFAKKLQIQGKSEIVDELFIQTKGSRISSSEHSLSLSPRYNATEDVLVVEIP  
 RQALQELSFNASQAIIVVAFPTLGAILKEVHRPNTNLQKPIDDLILSLVLPPEGLNEIILTDFKINKSQSTS  
 SQCVSWDPATGQWDESPCTVMSDINSTVKRCRHKAVTSFSILMSSKPVKNTILNHITFIGLSISIFSL  
 VLCLVIEAIVWSRVVTEISYMRHVCIVNIAVSLLTANVWFIIGSNFSANVQEDHKWCVAVTFLLCHFFFL  
 SLFFWMLFKALLIVYGILVVFRRMMKSRMAIGFAIGYGCLVIAVITVTVEPEGEGYTRKDACLWNWNQ  
 TKALFAFAIPALAIIVAVNLLVLAIVAVNTQRPVIGSSKSDMAIVFRISKNVAILTPLLGLTWGFLTTL  
 LEGVHLVFHIIIFALLNAFQGGFILLFGTIMDHKIRDALMRVSSSLKGSRAAEKVSLSPANGSRILNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9013\\_g06.zip](https://cdn.origene.com/chromatograms/mm9013_g06.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_030067

**ORF Size:** 2094 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.

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\\_030067.2](#), [NP\\_084343.1](#)

**RefSeq Size:** 3060 bp

**RefSeq ORF:** 2097 bp

**Locus ID:** 78249

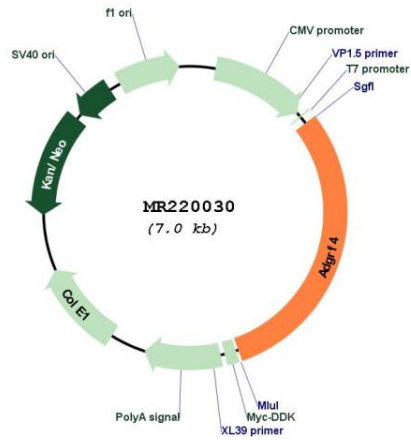
**UniProt ID:** [Q9D2L6](#)

**Cytogenetics:** 17 B3

**MW:** 77.8 kDa

**Gene Summary:** Orphan receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220030