

Product datasheet for **MR230919**

Adgrf4 (NM_001289499) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Adgrf4 (NM_001289499) 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:

>MR230919 representing NM_001289499
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCCCTGGATTGCCATGGTTTGTGTTTTAGTATTTTTCTGACAACAGAATGTTCTCATTCCAAC
 CCAAGACTCACAGAAAAGATGAAGATAAATTTCAAATATCTCTACAGAAGCATGAGTTTAGACCAAGACA
 GGGTAAATGTGATGGACTGTGCAGCTCTTCTTCCAGCTGTAACCCAGAGCTGTCCTTGGAACCTCCGTGGA
 GAAATCGTATTCACATGTAATCAAAACAAATGGCAAAAAACAATCGAAACATGCACAAGTCTCTGTGG
 ACACCTTGTTCAGCGCATACATCCTGCAGCTAGCCTATCCTTGGCGTCTTCTTGTTTTTCCCATGAG
 CTTAATTGGCAATGCAGCACCAGTCCATATTGGAAATGTATTTCAAGGAATCCAAAAGTACTGCCCCGAG
 GACTACGTTTGCATTGTTGATGCTGTGAAATCCTCTGCAGTTACATCTGGAAATATTGCATTATAGTAG
 AGTTATTAATAAATATCTCTTCAAACCTGCAAACCTTCTGGAATACATGATAATGTGAATTGGAAGAAAAT
 GAAGAATATGGCAAAGTGGCCAACCATATCCTTGGCCCCACTGCCATTTCAAATGGGCTTTCATTGCC
 AACAAAAATGCCAGCTCAGATCTGTTGGAGTCGGTGAACCTTTTTGCCAAGAAAATCCAAATCCAAGGTA
 AATCTGAGAGCATCGTAGATGAACCTTTTATTACAGACGAAAGGCTCTCGTATCTCTCACAGTTCCCTCAGA
 GCACAGCCTCAGCCTCTGTACCCAGGTACAATGCTACAGAAGATGTCTTAGTGGTGATCGAAAATCCT
 AGGCAAGCATTACAGGAGCTGTCGTTCAATGCCTCCCAAGCCATTGTTGTCGCTTTTCCAACCTTGGGGG
 CCATTCTAAAAGAAGTCCATCGGCCAAATACAAATCTCCAAAAGCCTATAGATGACCTCATCCTATCACT
 GGTTTTGCCAGAAGGTCTGAACGAAATCATACTCACCTTTGATAAAATCAATAAATCCCAGAGCACCAGC
 AGCCAGTGTGTCAGCTGGGATCCTGCAACAGGGCAGTGGGATGAGAGCCCATGTACAGTGATGTCAGACA
 TCAATAGCACAGTGAAATGCCGGTGCAGGCACACCAAGCTGTGACGTCCTTCTCCATCCTCATGTCTTC
 TAAGCCTGTAAGAATAACGATTCTGAACCATATCACCTTCATTGGACTCAGCATCTCCATCTTTAGCTTG
 GTGCTCTGCCTGGTCATTGAGGCCATCGTCTGGTCCCAGGTTGGTTTACAGAGATATCCTACATGCGCC
 ACGTGTGCATCGTGAACATTGCAGTGTCCCTCCTGACTGCCAATGTGTGGTTCATCATTGGCTCCAACCT
 CAGTGCCAACGTTCCAGGAGGATCACAAGTGGTGTGGCTGTGACATTTCTGCCACTTCTTCTCCTC
 TCCCTGTCTTCTGGATGCTCTTCAAAGCGTGTCTCATAGTCTATGGAATACTGGTTGTCTTCCGCAGGA
 TGATGAAGTCTCGGATGATGGCCATTGGCTTTGCCATTGGCTATGGGTGTCCCCTTGTGATCGCGGTCAT
 CACTGTTACTGTCACAGAGCCTGGGAAGGCTACACCAGAAAAGATGCCTGTTGGCTTAATTGGAACCAA
 ACCAAAGCCCTTTTTGCTTTTGCTATCCCAGCCTTGGCCATTGTGGCTGTGAATCTCCTTGTGGTCTGG
 CAGTTGCTATCAACACACAGAGGCCCTTGATTGGCAGTTCAAATCTCAGGATATGGCCATTGTTTTAG
 GATCAGCAAAAATGTTGGCATCCTACCCCACTTCTGGGACTGACCTGGGGTTTTGGTCTAAACCCCTG
 CTAGAAGGCGTACACCTGGTATTCCATATAATCTTCGCCTTGCTCAATGCTTTCCAGGGCTTTTTCATCT
 TGCTGTTTGGTACCATTATGGATCACAAGATAAGAGATGCTCTGAGGATGAGGGTATCTTCATTGAAGGG
 GAAATCAAGGGCAGCAGAGAAGGTGTCATTAAGTCCAGCCAATGGATCCAGAATACTGAATCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230919 representing NM_001289499
Red=Cloning site Green=Tags(s)

MKPWIAMVCLVFFLTTECSHSPKTHRKDEDKFQISLQKHEFRPRQGKCDGLCSSSSSCNQSCPWNFRG
 EIVFTCNQNKWQKTIETCTLSVDTLFQRIHPAASLSLASSVFPMSLIGNAAPVHIGNVFQGIQKYCPE
 DYVCIVDAVKSSAVTSGNIAFIVELLKNISSNLQTSGIHDNVNWKMKNYGKVANHILGPTAISNWFIA
 NKNASSDLLESVNSFAKKLQIQKSESI VDELFIQTKGSRI SHSSSEHLSLSVPRYNATEDVLVVEIP
 RQALQELSFNASQAI VVAFPTLGAILKEVHRPNTNLQKPIDDLILSLVLP EGLNEIILT FDKINKSQSTS
 SQCVSWDPATGQWDESPCTVMSDINSTVKRCRHTKAVTSFSILMSSKPVKNTILNHITFIGLSISIFSL
 VLCLVIEAIVWSRVVTEISYMRHVCIVNIAVSLLTANVWFIIGSNFSANVQEDHKWCVAVTF LCHFFFL
 SLFFWMLFKALLIVYGILVVFRRMMKSRMAIGFAIGYGCLVIAVITVTVTEPGEGYTRKDACLWNWQ
 TKALFAFAIPALAI VAVNLLVLA VAINQRPLIGSSKSDMAIVFRISKNVAIL TPLLGLTWGFLTTL
 LEGVHLVFHIIIFALLNAFQGGFILLFGTIMDHKIRDALMRVSSSLKGSRAAEKVSLSPANGSRILNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001289499

ORF Size: 2094 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_001289499.1](#), [NP_001276428.1](#)

RefSeq Size: 2990 bp

RefSeq ORF: 2097 bp

Locus ID: 78249

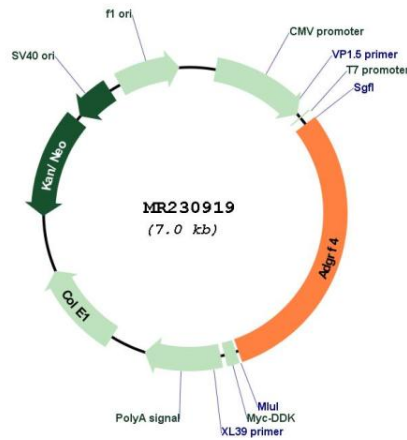
UniProt ID: [Q9D2L6](#)

Cytogenetics: 17 B3

MW: 77.4 kDa

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

Product images:



Circular map for MR230919