

Product datasheet for **MR230921**

Adgrf4 (NM_001289501) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adgrf4 (NM_001289501) 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:

>MR230921 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCCATGAAGCCCTGGATTGCCATGGTTGCTGTTAGTATTTTTCTGACAACAGAATGTTCTCATTCCAAC
CCAAGACTCACAGAAAAGATGAAGATAAATTTCAAATATCTCTACAGAAGCATGAGTTTAGACCAAGACA
GGTAAATGTGATGGACTGTGCAGCTCTTCTCCAGCTGTAACCAAGAGCTGTCCTTGGAACCTCCGTGGA
GAAATCGTATTCACATGTAATCAAAACAATGGCAAAAAACAATCGAAACATGCACAAGTCTCTGTGG
ACACCTTGTTCAGCGCATACATCCTGCAGCTAGCCTATCCTTGGCGTCTTCTTGTGTTTTCCCATGAG
CTTAATTGGCAATGCAGCACCAGTCCATATTGGAAATGTATTTCAAGGAATCCAAAAGTACTGCCCGAG
GACTACGTTTGCATTGTTGATGCTGTGAAATCCTCTGCAGTTACATCTGGAAATATTGCATTCATAGTAG
AGTTATTAATAAATATCTCTTCAAACCTGCAAACCTTCTGGAATACATGATAATGTGAATTGGAAGAAAAT
GAAGAATATGGCAAAGTGGCCAACCATATCCTTGGCCCACTGCCATTTCAAATGGGCTTTCATTGCC
AACAAAAATGCCAGCTCAGATCTGTTGGAGTCGGTGAACCTTTTTGCCAAGAAAATCCAAATCCAAGGTA
AATCTGAGAGCATCGTAGATGAACCTTTTATTACAGACGAAAGGCTCTCGTATCTCTCACAGTTCCCTCAGA
GCACAGCCTCAGCCTCTGTACCCAGGTACAATGCTACAGAAGATGCTTAGTGGTGATCGAAAATCCT
AGGCAAGCATTACAGGAGCTGTCGTTCAATGCCTCCCAAGCCATTGTTGTCGCTTTTCCAACCTTGGGGG
CCATTCTAAAAGAAGTCCATCGGCCAAATACAAATCTCCAAAAGCCTATAGATGACCTCATCCTATCACT
GGTTTTGCCAGAAGGTCTGAACGAAATCATACTCACCTTTGATAAAATCAATAAATCCCAGAGCACCAGC
AGCCAGTGTGTCAGCTGGGATCCTGCAACAGGGCAGTGGGATGAGAGCCCATGTACAGTGATGTCAGACA
TCAATAGCACAGTGAAATGCCGGTGCAGGCACACCAAAGCTGTGACGTCCTTCTCCATCCTCATGTCTTC
TAAGCCTGTAAGAATAACGATTCTGAACCATATCACCTTCATTGGACTCAGCATCTCCATCTTTAGCTTG
GTGCTCTGCCTGTCATTGAGGCCATCGTCTGGTCCCAGGTTGTTTACAGAGATATCCTACATGCGCC
ACGTGTGCATCGTGAACATTGCAGTGTCCCTCCTGACTGCCAATGTGTGGTTCATCATTGGCTCCAACCT
CAGTGCCAACGTTCCAGGAGGATCACAAGTGGTGTGGCTGTGACATTTCTGCCACTTCTTCTCCTC
TCCCTGTTCTTCTGGATGCTCTTCAAAGCGTGTCTCATAGTCTATGGAATACTGGTTGTCTTCCGCAGGA
TGATGAAGTCTCGGATGATGGCCATTGGCTTTGCCATTGGCTATGGGTGTCCCCTTGTGATCGCGGTCAT
CACTGTTACTGTCACAGAGCCTGGGAAGGCTACACCAGAAAAGATGCCTGTTGGCTTAATTGGAACCAA
ACCAAAGCCCTTTTTGCTTTTGCTATCCCAGCCTTGGCCATTGTGGCTGTGAATCTCCTTGTGGTCTGG
CAGTTGCTATCAACACACAGAGGCCCTTGATTGGCAGTTCAAATCTCAGGATATGGCCATTGTTTTAG
GATCAGCAAAAATGTTGCCATCCTACCCCACTTCTGGGACTGACCTGGGGTTTTGGTCTAAACCCCTG
CTAGAAGGCGTACACCTGGTATTCCATATAATCTTCGCCTTGCTCAATGCTTTCCAGGGCTTTTTCATCT
TGCTGTTTGGTACCATTATGGATCAAGAATAAGAGATGCTCTGAGGATGAGGGTATCTTCATTGAAGGG
GAAATCAAGGGCAGCAGAGAAGGTGTCATTAAGTCCAGCCAATGGATCCAGAATACTGAATCGCACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230921 protein sequence
Red=Cloning site Green=Tags(s)

MKPWIAMVCLVFFLTTECSHSPKTHRKDEDKFQISLQKHEFRPRQGKCDGLCSSSSSCNQSCPWNFRG
 EIVFTCNQNKWQKTIETCTSLVDTLFQRIHPAASLSLASSVFPMSLIGNAAPVHIGNVFQGIQKYCPE
 DYVCIVDAVKSSAVTSGNIAFIVELLKNISSNLQTSGIHDNVNWKMKNYGKVANHILGPTAISNWFIA
 NKNASSDLLESVNSFAKKLQIQKSESI VDELFIQTKGSRI SHSSSEHSLSLVPRYNATEDVLVVEIP
 RQALQELSFNASQAI VVAFPTLGAILKEVHRPNTNLQKPIDDLILSLVLP EGLNEIILT FDKINKSQSTS
 SQCVSWDPATGQWDESPCTVMSDINSTVKRCRHTKAVTSFSILMSSKPVKNTILNHITFIGLSISIFSL
 VLCLVIEAIVWSRVVTEISYMRHVCIVNIAVSLLTANVWFIIGSNFSANVQEDHKWCVAVTF LCHFFFL
 SLFFWMLFKALLIVYGILVVFRRMMKSRMAIGFAIGYGCLVIAVITVTVTEPGEGYTRKDACLWNWNQ
 TKALFAFAIPALAI VAVNLLVVLAVAINQRPLIGSSKSDMAIVFRISKNVAIL TPLLGLTWGFLTTL
 LEGVHLVFHIIIFALLNAFQGGFILLFGTIMDHKIRDALMRVSSSLKGSRAAEKVSLSPANGSRILNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001289501

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_001289501.1](#), [NP_001276430.1](#)

RefSeq Size: 3021 bp

RefSeq ORF: 2097 bp

Locus ID: 78249

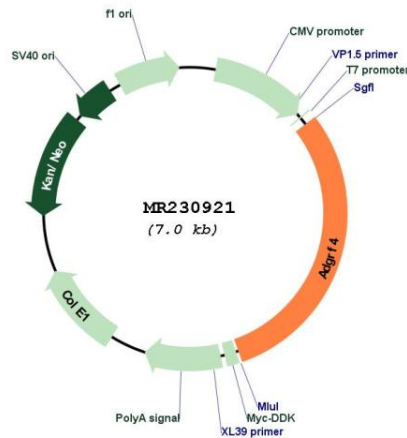
UniProt ID: [Q9D2L6](#)

Cytogenetics: 17 B3

MW: 77.4 kDa

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

Product images:



Circular map for MR230921