

## Product datasheet for **MR209468**

### Adgra1 (NM\_177469) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adgra1 (NM_177469) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adgra1
Synonyms:	2900059M17Rik; D7Ertd680e; Gpr123
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209468 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTCAGTGGGATTTGAAGACTGTCCTCTCCCTGCCCCAGTACCCAGGGGAGTTCCTGCATCCTGTGG  
 TGTATGCCTGCACCGCGTCATGCTCCTGTGTCTCCTTGCTCTGTCATCACCTACATCTTGCATCAGAG  
 TGCCATCCGATAAGCCGAAAGGCCGGCAGCAGCTCCTCAACTTCTGCTTCCACGCCGCTCTGACCTTC  
 ACCGTGTTTGTGGTGGCATCAATCGCACCCAACACCCCATCCTGTGCCAAGCAGTGGGCATTGCTCTGC  
 ACTATTCACGCTTTCTACCATGCTGTGGATCGGTGTGACTGCTAGGAACATCTACAAACAGGTGACCAA  
 GAAGGCCCTGCCATGTCTGGAGCAGACCAGCCACCGTACCCTAAGCAGCCCTTGCTCAGTTTCTACCTC  
 ATCAGCGGAGGGTCCCTTTCATCATCTGTGGGTGACAGCTGCCACAAACATCAGAAATATGGCACCG  
 AGGATGAGGACGTGGCATACTGCTGGATGGCTGGGAACCCAGCCTGGGTGCGTTCTATGGCCGGCTGC  
 CTTCAATGCCCTGGTACCTGCGTGTACTTCTCTGCACCTACGTGCAGCTGCGGGCTCACCCGGAGCGC  
 AGGTATGAGCTCAGAGAGCGCACGGAGGAGCAGCAGCAGCTGGCTGTGCCAGAGAGCGGCCATCGCCACG  
 GAGTCCGTCGCCGGACCCACCCACCTGTGATGCCCTGACTGCCTCGCAGCTGCAGAACGAGCATTCCCTT  
 CAAGGCTCAGCTTCGTGCCGCTGCCTTCACACTGTTTCTGTTACAGCTACATGGACCTTTGGGGCCCTG  
 GCTGTGCTCAGGGCCACTTCTGGACATGATCTTCAGCTGTCTGTACGGCGCCTTCTGCGTGACTG  
 GACTCTTTGACTTATCCATCACTGCGCAAGCCGGGAGGACGTGTGGCAGTGTGGTGGTCTGTGCC  
 TTCCCGGGGAGACACCTCCACCACCAAGCCCGGCCATCTACACTCGATGCCAACGGGGATGCGCTG  
 GGCATACGGCTGCCTGCAGGACTCACCATGCCCTGGGAAACTCAGAGGTTTTGGCCATCCACCAGCCA  
 GCCACTGCAAGATGACCAACCTGCAGGCTGCCAGGGCCATGTGAGTGTCTGTACCTGCCACCCCGTG  
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 GTCTACCCACACGATCCCCACCTGCATGACCCTCACCTGCACAGGTGCCTCAAGGGCAGAATAAGTCCC  
 ACTACTTCAGCCGGCACCAGGCAGCTGCGGCTGAGAGGGAGTATGCTTACCACATCCCCTCCAGCCTGGA  
 TGGCAGTCCACAGTTCACGTTTCGAGAGGCCACCAGCTCTCTGGAGGGCCCAATGGGGATGCACACA  
 TTGGCCTGCTGTGCCAGGCTGACCCCTTCCCATGGTCCAGCCAGCCTGAGGGTGGAGACACAAGCCCTG  
 GGCTCTATGGCTGCCCCCCACCTATCCCAGGCCCTGCCACTTGGAGATGCTACGAAGGACACAGTCC  
 CTGCCCTTTGGGGCCCCAGCCAGAATGGGCTGCTCCAGGGTGTGTTGAGAAGGCCTGCCATTTGGCA  
 CTGATGGGACAGGGAACATCCGAACAGGACCCTGGAAAAATGAACTACAGTGTAGCCAGGTTGGGAACA  
 CAACTTCTTCGCCAGTGCCACCAGTGTCCCTGGAGGAGCTTACAGCAGGGAGTGGCCCTTGTATGT  
 GGACTGGAAGGGCCATCAATGACCAAGTGGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

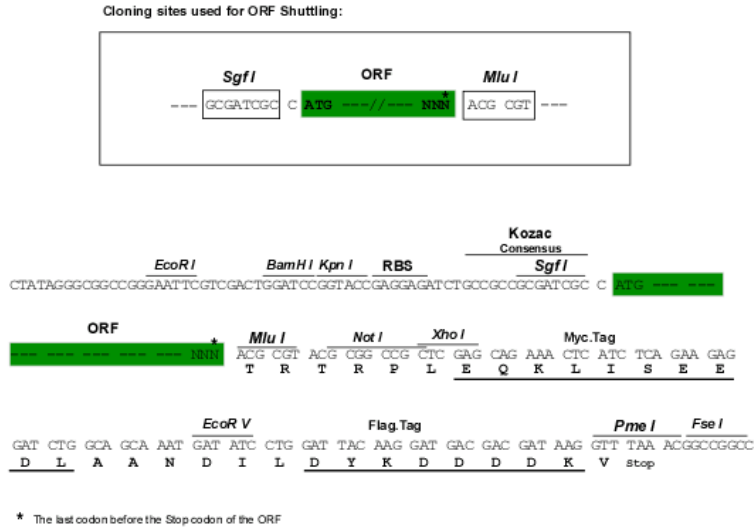
>MR209468 protein sequence  
 Red=Cloning site Green=Tags(s)

MTQWDLKTVLSLPQYPGEFLHPVYVYACTAVMLLCLLASVITYILHQSAIRISRKGRHALLNFCFHAALT  
 TVFAGGINRTQHPILCQAVGIALHYSTLSTMLWIGVTARNIYKQVTKKALPCPGADQPPYPKQPLLRFY  
 ISGGVPFIICGVTAATNIRNYGTEDEDVAYCWMWEPSTLGFYGPAAFIALVTCVYFLCTYVQLRRHPR  
 RYELRERTEEQRLAVPESGHRHGVPRGTPPTCDALTASQLQNEHSFKAQLRAAAFRLFATWTFGAL  
 AVSQGHFLDMIFSCLYGAFVTLGLFVLIHHCAREQVWQWSSCPSTKTPGAHPTLDANGDAL  
 GHTACLQDQSPCKLRFGRHPPASHCKMTNLQAAQGHVSCLSPATPCCAKMHCEQLMEEEAAHIHMAEED  
 VYPHDPHLHDPHLHRCLKGRKSHYFSRHQAAAAEREYAYHIPSSLDGSPHSSRSSESPTSLEPGMGMHT  
 LACCAQADPFPMVSQPEGGDTSPGLYGCPTYPQALPTWRCYEGHSPCLLGAPARMGCSRVMFEKACHLA  
 LMGGTSEQDPGKMKLQCSQVGNNTSSPVPVRVPGGASEQGVALCYVDWKGHQMTKWF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_177469

ORF Size: 1857 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\\_177469.1](#), [NM\\_177469.2](#), [NM\\_177469.3](#), [NP\\_803420.2](#)

RefSeq Size: 4777 bp

RefSeq ORF: 1737 bp

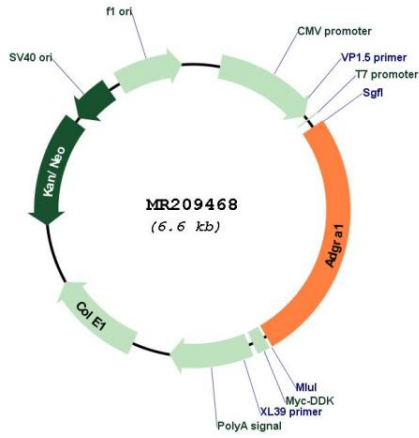
Locus ID: 52389

UniProt ID: [Q8C4G9](#)

Cytogenetics: 7 84.89 cM

MW: 68 kDa

**Product images:**



Circular map for MR209468