

## Product datasheet for **RR211741**

### Adpgk (NM\_001100723) Rat Tagged ORF Clone

#### Product data:

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                       |
| Product Name:      | Adpgk (NM_001100723) Rat Tagged ORF Clone |
| Tag:               | Myc-DDK                                   |
| Symbol:            | Adpgk                                     |
| Synonyms:          | RGD1306103                                |
| Vector:            | pCMV6-Entry (PS100001)                    |
| E. coli Selection: | Kanamycin (25 ug/mL)                      |
| Cell Selection:    | Neomycin                                  |



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**ORF Nucleotide Sequence:**

>RR211741 representing NM\_001100723  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCTGTGGCGCGGCTCTGCGTGCGCCGGTCTCTGGCGCTGGCCGTGGGCTGCGTGTTCCTGCTGG  
 AGCCGGAGCTGCCGGGCACAGCGCTACGCTCGCTCTGGAGCTCGCTGAGGCTGGGGCCCGGCCAGTGCC  
 CCCGGGATCTCTGTCCCCAGAGACCGGCTGGCGGCCGCTTGGGATGCCCTCATCGTGCAGCCCGCCCGG  
 CGCTGGCGCCGCGTGGCTGTGGGAGTCAATGCCTGTGTGGATGTGGTCACTCTGGCGTGAAGCTCCTGC  
 AGGCACCTCGGCCAAGTCTGGGAGTGGAAAGACCATGCTGTTCTACACTCAAGAAGTGATCTGGAAGA  
 AGCCTTTGTCCACTTCATGGGGAAGGGAGCTGCTGCTGAACGCTTCTTCAGTGATAGAGAGACCTTCAT  
 GACATTGCCAGGCTGCATCTGAGTTCAGGAGCCAGCACTATGTAGGAGGAAATGCCGCTTAAATTG  
 GACAGAAGTTTGCTGCCAACCCAGACTTAAAGGTTCTTCTTTGGTCCAATTGGCCAAAGCTACATGA  
 ACTTCTTGATGACAATGTGTTTGTCCGCCAGAGTCACTGCAGGAAGAGGATGAGTCCACCTTATTTTA  
 GAGTACCTGGCAGGGGAGGAGTGGGGCCGTTTAAAGCTCCCCAGGCCAACCGGTTTCATCTCTCTCAGG  
 ACCTCTCCAACGGGGCCATGAATATGCTGGAGGTGTTTGTGTCTAGCCTGGAGGATTCACGCTGACCT  
 GGTGGTCTTTCTGGATTGCACATGATGGAGGGACAAAGCAAGGAGCTCCAGAGGAAGAGGCTCTTGGAG  
 GTTGAGCTCCATCTCTGACATCCCCACTGGTATTCCAGTTCACCTAGAGCTGGCCAGTATGACCAACA  
 GGGAGCTCATGAGCAGTATTGTGCATCAGCAGGCTTTCCCGCAGTGGCTTCTCTGGGCTGAATGAACA  
 GGAGCTGCTGTTTCTCAGCCAGTCAGCATCTGGACCCATGCTTCTCTCTCTCTCTGGGATGGCGTTCCT  
 GATGTGGGCATGGTCAGTGATATCCTCTCTGGATCTTGAAGAACATGGAAGGAGCAAAAGCAGATCGT  
 CAGATCTCACCAGGATCCATTTCCACAGCTGGTCTACCACTTCTGGCAACTGTGGCAGGACATGGGC  
 CAACCAGCTCGCAGCTGTAGCTGCAGGAGCTCGTGTAGCTGGGACACAAGCCTGTGCCACGGAAACCATA  
 GACACCAACCGAGTATCTCTGAGAGCACCTCAGGAGTTTATGACATCCCGTTTGGAGCCCGCTCCAGGA  
 TTGTATTAACCCAAATAAGCCAGTGGTGGAGTGGCACAGGGAGGGGTCACTTCCACTTCACACCCGT  
 GTTGGTGTGTAAGACCCTGTTGCAACTGTAGGCTTGGTGTGATGCCATTCTGCTGAAGGCTCTTCTAT  
 TCAGAAGCATACCCTGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211741 representing NM\_001100723  
 Red=Cloning site Green=Tags(s)

MALWRGSACAGFLALAVGCVFLLEPELPGTALRSLWSSLRLGPAPVPPGSLSPESRLAAAWDALIVQPAR  
 RWRRVAVGVNACVDVVISGVKLLQALGLSPGSGRDHAVLHSRSDLEEAFVHFMKGAAAERFFSDRETFH  
 DIAQAASEFPGAQHYVGGNAALIGQKFAANPDLKVLCCGPIGPKLHELLDDNVFVPPELQEEDEFHLIL  
 EYLAGEEWGPFKAPQANRFIFSHDLNNGAMNMLEVFVSSLEEFQPDLVVLSGLHMMEGQSKELQRKRLL  
 VVTSISDIPTGIPVHLELASMTNRELMSSIVHQVFPVAVASLGLNEQELLFLSQSASGPHASLSSWDGVP  
 DVMVSDILFWILKEHGRSKSRSSDLTRIFHTLVYHILATVDGHWANQLAAVAAGARVAGTQACATETI  
 DTNRVSLRAPQEFMSTRLEPGSRIVLNPKNPVVEWHREGVTFHFVPLVCKDPVRTVGLGDAISAEGLFY  
 SEAYPD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

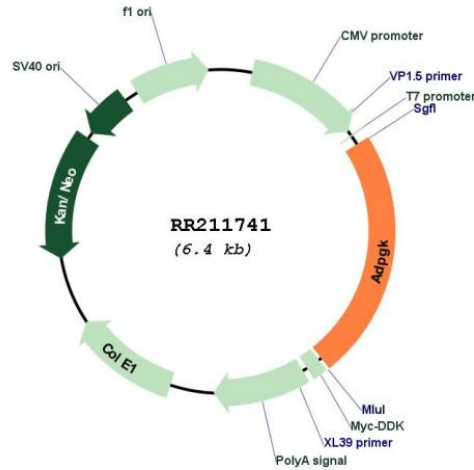
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001100723

**ORF Size:** 1488 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\\_001100723.1](#), [NP\\_001094193.1](#)

**RefSeq Size:** 2579 bp

**RefSeq ORF:** 1491 bp

**Locus ID:** 315722

**Cytogenetics:** 8q24

**MW:** 53.9 kDa