

Product datasheet for **MC204303**

Adpgk (NM_028121) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adpgk (NM_028121) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adpgk
Synonyms:	2610017G09Rik; Adp-gk; C77577
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021526
 CCACGCGTCCGAAAGGATCCTGTAGCCACCGGTGCGGCGGTGTGTGCACATGGCGCTGTGGCGGGCTCT
 GCGTGGCGCGGCTTCTGGCGCTGGCCGTGGGCTGCGTGTTCCTGCTGGAGCCGGAGCTGCCGGGCACGG
 CGCTGCGCTCGCTCTGGAGCTCCCTGAGGCTGGGACCCGCGCCAGTGCCCGTGGGACCTCTGTCCCCGGA
 GAGCCGGCTGGCAGCCGCTTGGGACGCCCTCATCGCGCAGCCCGCCGGCGCTGGCGCCGCTGGCTGTG
 GGAGTCAACGCCCTGTGTGGATGTGTAATCTCTGGCGTAAACTCCTGCAGGCCCTCGGCCTCAGTCCTG
 GGAGTGGAAAAGATCATGCTATTCTACACTCGAGAAGTGATCTGGAAGAAGCCTTCTCTACTTTCATGGG
 GAAGGGAGCCGCTGCTGAGCGCTTCTTCACTGATAAAGAGACCTTTCATGACATTGCCAGGCTGCATCT
 GAGTTTCCAGGAGCTCAGCACTATGTAGAGGAAATGCTGCTTTAATTGGACAGAGGTTTCCCGCAACA
 CAGACTTAAAGGTTCTTCTTTGTGGTCCAATTGGCCAAAACATGCATGAACCTTCTGATGACAATGTGTT
 TGTTCACCAGAGTCACTGCAGGAAGAGGATGAGTTCCACCTTATTTAGAGTACCTGGCAGGGGAGGAG
 TGGGGCCCGTTTAAAGCTCCCCATGCCAACCGCTTTCATCTTCTCACGACCTCTCAACGGGGCCATGA
 ATATGCTGGAGGTGTTTGTGTCTAGCCTGGAGGAGTCCAGCCTGACCTGGTGGTCTTTCTGGATTGCA
 CATGATGGAGGGACAAAGCAAGGAGCTCCAGAGGAAGAGGCTCTTGGAGGTTGTGACCGCCATTTCTGAC
 ATCCCCACTGGTATTCCAGTTCACCTAGAGCTGGCCAGTATGACCAACAGGGAGCTCATGAGCAGTATTG
 TGCATCAGGTCTTCCCGCGGTGGCTTCTCTGGGCTGAATGAACAGGAGCTGCTGTTTCTCAGCCAGTC
 GGCATCTGGACCCATTCTTCTCTCCTCCTGGGATGGTGTTCCTGATGTGGGCATGGTCAGTGACATC
 CTCTTCTGGATCTTGAAGAACATGGAAGGAGTGAACACAGATCCTCGGATCTCACCAGGATCCATTTCC
 ACACGCTGGTCTACCACATTTCTGGCAACTGTGGACGGACACTGGGCCAACAGCTCGCAGCCGAGTCTGC
 GGGAGCTCGTGTAGCTGGGACACAAGCCTGTGCCACAGAAACCATAGACACCAACCGAGTGTCTAAGA
 GCACCTCAGGAGTTTACGACATCCCATTTGGAATCCGGTTCAGGATTGTATTGAACCCAGATAAGCCAG
 TGGTGAATGGCAGGGAGGGAATAACTTCCACTTACACCTGTGTTGGTGTGTAAGACCCCGTTTCG
 AACTGTAGGCCTTGGTGTGCCATTTCCGCTGAAGGCCTTCTTATTGAGAAGCAGCCCTGATTAGACA
 CGTTGTGTGAGGAATGAAAGTCACCCATCTTAAGAATTCAGCAAGAACATGGCTTGGGAAGTGGCTTG
 TGAGTGTGAGAACAGTTCCTAGATCAAATGGAATAGAGCCAAAGAAATCACAGCAGATTAACCTGTACA
 GATACATTCAGCCTGTTGGCAACATAAAAACTTCCAGGTATAATTGAAACTCAGCTGTCTACTAACGA
 GACTGGATTTTTGTTTTTATGTTGTGTACTAAAGGTTAAACCTCTTTCTGAATCCCCAGTTGATGTAC
 CATGACTCTGGAGAGCTCATCCAGCCACAGAAAGTACTCCCCCTCCCCCCCCCAATCTGATCACT
 CATGAAACCTGGCAAGGCAGTCATGACAGCTTATGCTCCTGGCAGAATCAACTGTCCATTCAGTGTTA
 CAGTGACAATATTTGCTGTGTGTACCTTCTCAGCCTCCTGCTCTCAGACATAGGTGAGCCACAGGAGA
 GAACAAAACAGTCTTGTGCTTTATGGTCTCAGACTGGAACCCCTGGGAGAGCTATGAGCCACCTGACCAT
 TGTGCACTTGCTTGAAGCACCATGCCTTCTGCCCCGGTGTATGGACTGGGGCTGGCTGAGAAAAGGC
 CCCACAGCTTGTCTCAGCCTCAGTGTGAGCTCCGGAAGTGCTTCTGCAGCACAGACTGCTACTCGT
 TCCTTTTGGAGCCTTGAAGAGATGTGTTTATAACTGGAAGTGCTTCTATATAGGACACATCATGATTT
 TGTGTTTTTGTGTTGACACATCCATTAAGAGTTTGACCTCTTAAAGCCCCAGGATCATGAATAAATGT
 GTCATGTATATTTATTTTTAATAAATCAAGATTTCTGTGTGCTTTTAAAAATATTAATAAATTTACAT
 TTCCAGGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028121

Insert Size: 1488 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC021526](#), [AAH21526](#)

RefSeq Size: 2472 bp

RefSeq ORF: 1488 bp

Locus ID: 72141

UniProt ID: [Q8VDL4](#)

Cytogenetics: 9 B

Gene Summary: Catalyzes the phosphorylation of D-glucose to D-glucose 6-phosphate using ADP as the phosphate donor. GDP and CDP can replace ADP, but with reduced efficiency.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).