

Product datasheet for **SC317832**

ADPGK (NM_031284) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADPGK (NM_031284) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADPGK
Synonyms:	2610017G09Rik; ADP-GK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

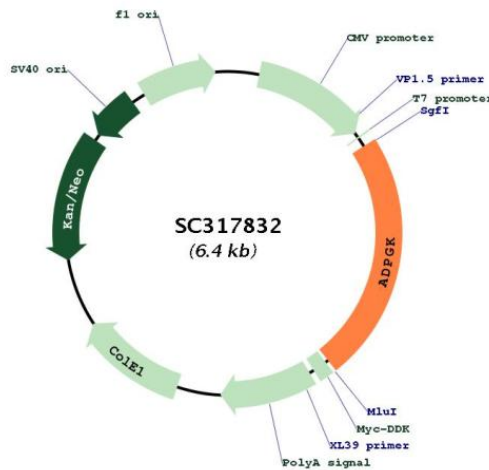
Fully Sequenced ORF: >SC317832 representing NM_031284.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGCTGTGGCGGGCTCCGCGTACGCGGGCTTCTGGCGCTGGCCGTGGGCTGCGTCTTCTGCTG
GAGCCAGAGCTGCCAGGCTCGGCGCTGCGCTCTCTGGAGCTCGCTGTGTCTGGGGCCCGCCCTGCG
CCCCGGGACCCGCTCCCCCGAGGGCCGGTTGGCGGCAGCCTGGGACGCGCTTATCGTGGGCCAGTC
CGGCGCTGGCGCCGCGTGGCAGTGGGAGTCAATGCATGTGTTGATGTGGTCTCTCAGGGGTGAAGCTC
TTGCAGGCACTTGGCCTTAGTCCTGGGAATGGGAAAGATCACAGCATTCTGCATTCAAGGAATGATCTG
GAAGAAGCCTTCACTTCTCATGGGAAGGGAGCAGCTGCTGAGCGCTTCTTCAAGTATAAGGAACT
TTTACAGACATTGCCAGGTTGCGTCAGAGTCCAGGAGCCAGCACTATGTAGGAGGAAATGCAGCT
TTAATTGGACAGAAATTTGCAGCAACTCAGATTTAAAGGTTCTTCTTGGCGTCCAGTTGGTCAAAG
CTACATGAGCTTCTTGTGACAATGTCTTTGTTCCACCAGAGTCATTGCAGGAAGTGATGAGTTCCAC
CTCATTTTAGAGTATCAAGCAGGGGAGGAGTGGGGCCAGTTAAAAGCTCCCATGCCAACCGATTATC
TTCTCTACGACCTCTCCAACGGGGCCATGAATATGCTGGAGGTGTTTGTGTCTAGCCTGGAGGAGTTT
CAGCCAGACCTGGTGGTCTCTCTGGATTGCACATGATGGAGGGACAAAGCAAGGAGCTCCAGAGGAAG
AGACTCTTGGAGGTTGTAACCTCCATTTCTGACATCCCCACTGGTATTCCAGTTCACCTAGAGCTGGCC
AGTATGACTAACAGGGAGCTCATGAGCAGCATTGTCCATCAGGCTTTCCCGCGGTGACTTCCCTGGG
CTGAATGAACAGGAGCTGTTATTTCTCACCCAGTCAGCCTCTGGACCTCACTCTTCTCTCTTCTCTGG
AACGGTGTCTGATGTGGGCATGGTCAGTGACATCCTCTTCTGGATCTTGAAGAACATGGGAGGAGT
AAAAGCAGAGCCTCGGATCTCACCAGGATCCATTTCCACACGCTGGTCTACCACATCCTGGCAACTGTG
GATGGACACTGGGCCAACAGCTGGCAGCCGTGGCTGCAGGAGCTCGTGTGGCTGGGACACAGCCCTGC
GCCACAGAAACCATAGACACCAGCCGAGTGTCTCTGAGGGCACCCCAAGAGTTTCACTGCCATTTCG
GAGGCAGGCTCCAGGATTGTATTAACCCAAACAAGCCAGTAGTAGAATGGCACAGAGAGGGAATATCC
TTCCACTTACACCAGTATTGGTGTGTAAGACCCCATTCGAACTGTAGGCCCTGGAGATGCCATTTCA
GCCGAAGGACTTCTTATTTCGGAAGTACACCCTCACTATTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_031284

Insert Size:	1491 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_031284.4
RefSeq Size:	2565 bp
RefSeq ORF:	1491 bp
Locus ID:	83440
UniProt ID:	Q9BRR6
Cytogenetics:	15q24.1
Domains:	ADP_PFK_GK
MW:	54 kDa
Gene Summary:	ADPGK (EC 2.7.1.147) catalyzes the ADP-dependent phosphorylation of glucose to glucose-6-phosphate and may play a role in glycolysis, possibly during ischemic conditions (Ronimus and Morgan, 2004 [PubMed 14975750]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) encodes the full length predicted protein.