

Product datasheet for **SC319144**

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-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_031284.3
 GGAGTTGGTTCGCGCAGGTGCGGCGCCTGGGTCATGGCGCTGTGGCGGGCTCCGCG
 TACGCGGGCTTCTGGCGCTGGCCGTGGGCTGCGTCTTCTGCTGGAGCCAGAGCTGCCA
 GGCTCGGCGCTGCGCTCTCTGGAGCTCGCTGTGTCTGGGGCCCGCGCTGCGCCCCG
 GGACCCGTCTCCCCGAGGGCCGGTTGGCGGCAGCCTGGGACGCGCTTATCGTCCGGCCA
 GTCCGGCGCTGGCGCCGCTGGCAGTGGGAGTCAATGCATGTGTTGATGTGGTGTCTCA
 GGGGTGAAGCTTTGCAGGCATTGGCCTTAGTCTGGGAATGGGAAAGATCACAGCATT
 CTGCATTC AAGGAATGATCTGGAAGAAGCCTTCACTTCACTTCATGGGGAAGGGAGCAGCT
 GCTGAGCGCTTCTCAGTGATAAGGAACTTTTACGACATTGCCAGGTTGCGTCAGAG
 TTCCCAGGAGCCAGCACTATGTAGGAGGAAATGCAGCTTTAATTGGACAGAAATTTGCA
 GCCAACTCAGATTTAAAGTTCTTCTTTGCGGTCCAGTTGGTCCAAAGCTACATGAGCTT
 CTTGATGACAATGTCTTTGTTCCACCAGAGTCATTGCAGGAAGTGGATGAGTTCCACCTC
 ATTTTAGAGTATCAAGCAGGGGAGGAGTGGGGCCAGTTAAAGCTCCCCATGCCAACCGA
 TTCATCTTCTCAGCAGCTCTCAACGGGGCCATGAATATGCTGGAGGTGTTTGTGTCT
 AGCCTGGAGGAGTTTCAGCCAGAGCTGGTGGTCTCTCTGGATTGCACATGATGGAGGGA
 CAAAGCAAGGAGCTCCAGAGGAAGAGACTCTGGAGGTTGTAACCTCCATTTCTGACATC
 CCCACTGGTATTCCAGTTCACCTAGAGCTGGCCAGTATGACTAACAGGGAGCTCATGAGC
 AGCATTGTCCATCAGCAGGTCTTTCCCGCGGTGACTTCCCTTGGGCTGAATGAACAGGAG
 CTGTTATTTCTACCCAGTCAGCCTCTGGACCTCACTTCTCTCTTCTTCTGGAACGGT
 GTTCTGATGTGGGCATGGTCAGTGACATCCTCTTCTGGATCTTGAAAGAACATGGGAGG
 AGTAAAAGCAGAGCCTCGGATCTCACCAGATCCATTTCCACACGCTGGTCTACCACATC
 CTGGCAACTGTGGATGGACACTGGGCCAACAGCTGGCAGCCGTGGCTGCAGGAGCTCGT
 GTGGCTGGGACACAGGCTGCGCCACAGAAACCATAGACACCAGCCGAGTGTCTCTGAGG
 GCACCCCAAGAGTTCATGACTTCCATTCCGAGGCAAGGCTCCAGGATTGTATTAACCCA
 AACCAAGCCAGTAGTAGAATGGCACAGAGAGGGAATATCCTTCCACTTACACCAGTATTG
 GTGTGTAAGACCCCATTCGAACTGTAGGCCTTGAGATGCCATTTAGCCGAAGGACTC
 TTCTATTCCGGAAGTACACCCTCACTATTAGGAAGATTCTTAGGGGTAATTTTCTGAGGA
 AGGAGAAGTACCAACTTAAGAATTACAGGAAGAAAGTGGTTTGGGAGACAGCCAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_031284

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_031284.3 , NP_112574.3
RefSeq Size:	2492 bp
RefSeq ORF:	1491 bp
Locus ID:	83440
UniProt ID:	Q9BRR6
Cytogenetics:	15q24.1
Domains:	ADP_PFK_GK
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the full length predicted protein.</p>