

Product datasheet for **SC123697**

Acylglycerol Kinase (AGK) (BC009775) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acylglycerol Kinase (AGK) (BC009775) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGK
Synonyms:	acylglycerol kinase; FLJ10842; MULK; multi-substrate lipid kinase; multiple substrate lipid kinase
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None

Fully Sequenced ORF: >OriGene sequence for BC009775 edited
 GGGGTGGACCAGCCGTGCAAATCTCTAGAAGATGACGGTGTCTTTAAAAACGCTTCGAAA
 TCACTGGAAGAAAACTACAGCTGGGCTCTGCCTGCTGACCTGGGAGGCCATTGGCTCTA
 TGGAAAACTGTGATAACCTCCTAAGGAGAGCAGCCTGTCAAGAAGCTCAGCACTATCA
 GGATGAATCACGCTGGGAGCCAACCTCTGAGTAGAACTCCAGGAAGTTAACCATCTGGTGA
 AGAGCAGTTCTGACGCCACCCCTATAGACTGTTTGTCTTCTGGATTGGTCCCAAGAACAC
 AGAACTGGACTGGTAGAAGCTCTGGGAATTTGTTTGTGTCTGCAGTTGTCTTTGTAGATT
 TGTCTAACCCCTGAATCATCCCTGATCTGAATAACCCCAAGGATATCAGTTCAGAGCAA
 GTGTTACCTCTAAAAGTCAAATCTTCTAAAATTTGTTGATTTCATATTTTAAAGCTCATC
 TCCAAGTTCAACTGATCCATATCATGTACTGTTATATCCATGAGATTTTACTTAAAT
 ATTCATTTATATGGCTAATTATAGCTGGATTATAATATTTGTCCTTTCAAATATAAGACA
 GCATTTTTGCCCCCACTGCAAAAATGTGCATTATACCTTGCAGATGAAATTCTGAGAC
 TGAGTTGCCCTTTTGTATATCATTTGAGCTTATGATGTCAGAAATACCAAAATAGAA
 ACATGAAAATCAAAAGTGGCAAATGTGTGAAGCATTAGTAATAAAAATAGGTGGCAGAC
 CTCATGTTTGTCTGAAATGTTTAAACGGATGACAGTGAGAATAGATACTATAAATTA
 TTCCTCTTTAGCGATTGTTACAATAGATACTATAAATTAATTCCTCTCTTTAGCAGTT
 GTTACAGTATATACTATAATTCCTCTTTTAGCGATTGTTATCTAGCTGTCTAAACCTG
 TGTTTTACGAATTTGATTACTTCTTTGTTAAATGTATTATCTTTTCATATGGCTCTAAGT
 TGTTTTGGAAATCAATTCAAATAAACTTTAATATTAACCAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC009775 unedited NCCGTTAGGATTTGTAATACGACTCACTATAGGGGCGGCCGGAATTCGCCATTACGGC CGGGGTGGACCAGCCGTGCAAATCTCTAGAAGATGACGGTGTCTTTAAAACGCTTCGAA ATCACTGGGAAGAAAACACTACAGCTGGGCTCTGCCTGCTGACCTGGGGAGGCCATTGGCTC TATGGAAAACACTGTGATAACCTCCTAAGGAGAGCAGCCTGTCAAGAAGCTCAGCACTAT CAGGATGAATCACGCTGGGAGCCAACCTGAGTAGAACTCCAGGAAGTTAACCATCTGGT GAAGAGCAGTTCTGACGCCACCCCTATAGACTGTTTGTCTTGATTGGTCCCAAGAAC ACAGAAGTGGACTGGTAGAAGCTCTGGGAATTTGTTGTGTCTGCAGTTGTCTTTGTAGA TTTGTCTAACCCCTGAATCATCCCTGATCTGAATAACCCCAAGGATATCAGTTCAGAGC AAGTGTTACCTCTAAAAGTCAAATCTTCTTAAAATTGTTGATTCATATTTTTAAAGCTCA TCTCCAAGTTCAACTGATCCATATCATGTACACTGTTATATTCCATGAGATTTTACTTAA ATATTCATTTATATGGCTAATTATAGCTGGATTATAATATTTGCCTTTCAAATATAAGA CAGCATTTTTGCCCCCACTGCAAAAATGTGCATTATACCTGCAGATGAAATTTCTGAG ACTGAGTTGCCTTTTTGTTTTATATCATTTGAGCTTATGATGTCAGAGATACCCAATAG AAACATGAAAATCANAAGTGGCANATGTGTGAAGCATTTAGTAATAAAAATAGGTGGCAG ACCTCATGTGTGTTTCTGAGATGTTTTAACGGATGACAGTGAGAATAGATACTATNAATT TAATTCCTCTCTTAGCGAG
Restriction Sites:	Please inquire
ACCN:	BC009775
Insert Size:	1090 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:	<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:	BC009775.1 , AAH09775.1
RefSeq Size:	1090 bp
Locus ID:	55750
Cytogenetics:	7q34
Protein Pathways:	Glycerolipid metabolism, Metabolic pathways
Gene Summary:	The protein encoded by this gene is a mitochondrial membrane protein involved in lipid and glycerolipid metabolism. The encoded protein is a lipid kinase that catalyzes the formation of phosphatidic and lysophosphatidic acids. Defects in this gene have been associated with mitochondrial DNA depletion syndrome 10. [provided by RefSeq, Feb 2012]