

Specifications:

Gene:	<i>h</i> AGK
Accession:	NP_060708.1
Insert size:	1282bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

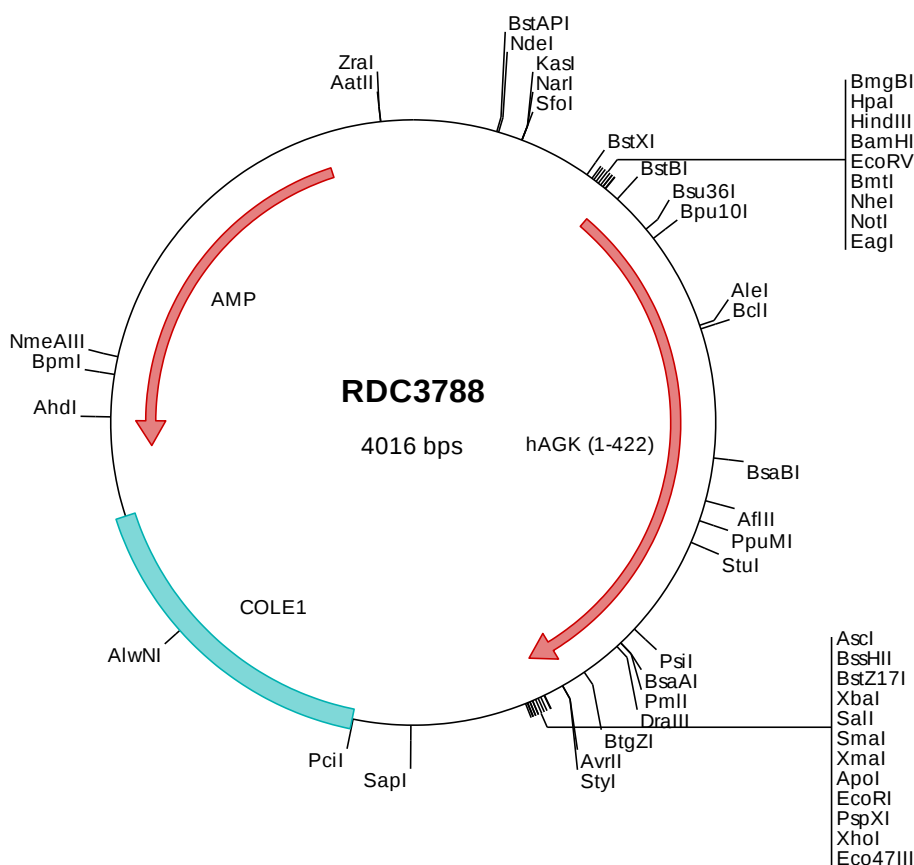
*h*Acylglycerol Kinase cDNA Plasmid

AGK acylglycerol kinase [*Homo sapiens* (human)]

Also known as: MULK; CATC5; CTRCT38; MTDPS10

Summary:

AGK is a mitochondrial membrane protein involved in lipid and glycerolipid metabolism. It is a lipid kinase that catalyzes the formation of phosphatidic and lysophosphatidic acids. Defects in AGK have been associated with mitochondrial DNA depletion syndrome 10.



> RDC3788 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cctaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccggccacc atgacggtgt tctttaaaaa gcttcgaaat cactggaaga aaactacagc
501  tgggctctgc ctgctgacct ggggaggcca ttggctctat ggaaaacact gtgataacct cctaaggaga gcagcctgtc aagaagctca ggtgtttggc
601  aatcaactca ttctctccaa tgcacaagtg aagaaggcca ctgtttttct caatcctgca gcttgcaaag gaaaagccag gactctattt gaaaaaatg
701  ctgcccgcgat tttacattta tctggcatgg atgtgactat tgttaagaca gattatgagg gacaagccaa gaaactcctg gaactgatgg aaaacacgga
801  tgtgatcatt gttgcaggag gagatgggac actgcaggag gttgttactg gtgttcttcg acgaacagat gaggctacct tcagtaagat tcccattgga
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2001 tgcgtatttg gcgctcttcc gcttctctgc tcactgactc gctgcgctcg gtcgttcggc tgcggcgagc ggtatcagct cactcaaaag ccgtaataac
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3901 taaacaaata ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc
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> RDC3788 Translated Insert Sequence

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101  dyeggakkll elmentdvii vaggdgtlqe vvtgvlrrtd eatfskipig fiplgetssl shtlfaesgn kvqhitdatl aivkgetvpl dvlqikeke
201  qpvfamtglr wgsfrdagvk vskywylgpl kikaahffst lkewpqthqa sisytgptcr ppnepeetpv qrpslyrril rrlasywaqp qdalsqevsp
301  evwkdvqlst ielsittrnn qldptskedf lniciepdit skgdfitigs rkvrnpklhv egteclqasq cttlliepagag gsfsidseeey eampvevkl1
401  prklqffcdp rkreqmltsp tq

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