

Product datasheet for **SC320693**

ADCK3 (COQ8A) (NM_020247) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADCK3 (COQ8A) (NM_020247) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADCK3
Synonyms:	ADCK3; ARCA2; CABC1; COQ8; COQ10D4; SCAR9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_020247.4
GTTGGTAAACAGATCCGGAGCGCGTGGCGGGCGTCAGCGCGGTGGCCAGCGCGCAGAGGC
GGGCGCGGAGGCGGCTAGAAGGTGACCGCGGATCCCAGCTTCTCGAGCCAGCCCTGAAG
GATGGCTGCCATATTGGGAGACACCATCATGGTGGCTAAAGGCCCTTGCAAGCTGACCCA
GGCGGCCGTGGAAACCCACCTGCAGCACTTGGGCATCGGAGGGGAGCTGATCATGGCGGC
CAGGGCCCTGCAGTCCACGGCTGTGGAGCAGATTGGCATGTTCTTGGGGAAGGTGCAGGG
TCAGGATAAACATGAAGAATATTTTGTGAGAAGCTTCGGCGGCCAGAAAGGGGAGTTCCA
CTTCTCAGTCCCGCATGCAGCCGAGCCTCCACAGACTTCTTTCAGCCTCCGCTCCCGA
CCAGTCAGCGCCCCATCCCTGGGTGATGCCACAGCGAGGGCCAGCTCCTGCCTACGT
GGCCAGTGGACCCTTTAGAGAAGCCGGGTTCCCGGCCAGGCCTCCTCCCTCTGGGCAG
GGCCAACGGGAGGCTCTTTGCAAACCCAGAGACTCATTCTGCCATGGGCTTTCAGCG
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TGCCCGGAGCGGAAGGTGCCTGTGACGAGGATTGGCCGGCTGGCCAACCTCGGAGGTCT
GGCCGTGGGCTGGGCTTCGGGGCACTGGCAGAGGTGCGCAAGAAGAGCCTGCGCTCCGA
GGACCCCTCAGGGAAGAAGGCCGTGCTGGGTTCCAGTCTTTCCTGTCCGAGGCCAATGC
AGAGCGGATCGTGCCACGCTCTGCAAGGTGCGTGGTGGCGCACTCAAGCTGGGCCAGAT
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CATTGGGCAGGTGCACTTGGCCGAATGAAGGGCGGCCGAGGTGGCCATGAAGATCCA
GTACCTGGCGTGGCCAGAGCATCAACAGTGTGCAACAACCTCATGGCCGTGTTGAA
CATGAGCAACATGCTTCCAGAAGCCTGTTCCCGAGCAGCTGATTGACGTGCTGAGGG
GGAGCTGGCCCTGGAGTGTGACTACCAGCGAGAGGCCCGCTGTGCCCGCAAGTTCAGGGA
CCTGCTGAAGGGCCACCCCTTCTTATGTGCCTGAGATTGTGGATGAGCTCTGCAGCC
ACATGTGCTGACCACAGAGCTGGTGTCTGGCTTCCCCTGGACCAGGCCGAAGGGCTCAG
CCAGGAGATTCGGAACGAGATCTGCTACAACATCCTGGTCTGTGCCTGAGGGAGCTGTT
CGAGTTCACCTTCATGCAAACAGACCCCACTGGTCCAACCTTCTTATGACCCCAAGCA
GCACAAGGTGGCTCTTTGGATTTTGGGCAACCGGGAAATATGACAGATCCTTCACCGA
CCTCTACATTAGATCATCAGGGCTGCTGCCGACAGGGACAGGGAGACTGTGCGGGCGAA
ATCCATAGAGATGAAGTTCCTCACCGGCTACGAGGTCAAGGTGATGGAAGACGCCCACTT
GGATGCCATCCTCATCCTGGGGGAGGCCTTCGCCTCTGATGAGCCTTTTGATTTGGCAC
TCAGAGCACCCAGAGAAGATCCACAACCTGATCCCCTCATGCTGAGGCACCGTCTCGT
CCCCCACCCGAGGAAACCTACTCCCTGCACAGGAAGATGGGGGGCTCCTTCTCATCTG
CTCCAAGCTGAAGGCCCGCTTCCCCTGCAAGGCCATGTTTCGAGGAGGCCTACAGCAACTA
CTGCAAGAGGCAGGCCAGCAGTAGGGCTGCGGGCCACGCCAGGCCGGCTCCGCGGGAA
CTCTCTCCCTCAGACAGGCCAAAAACAGTAGCGAGGTGCTGGTGTGCTCTTTTAACT
CTGTTGCTAAATGTTGTAGGGTGAGAAGTGCAAGAATGAAGATGAAGCCCACTGCTCG
GTCAGTCTGCCTCCGTGTGCTCCTGAAATAAGCAGATGAAGATGAAAGGGCAACTTTGT
TTTCTTCTTTTCTGATGTGAATGTTAAGCAGAAGGGAGAGATCCTTACTCCCTTCCA
ATCTCTGTTGAGTGAACAAACCCAGAAACATGAACAGATACGATTGTGGATTTTATCATC
TGTGTAGTAGGTGTGTATGTGTTTCTAGAGTGAGATTTGTGTTTTCTGCCCTTTTCT
CTCCAGCAATGGGCTGGAGCTGGGAGAGGTGCTGAGCTAACAGTGCCAACAAGTGTCC
TTAAGCCTGCGAGGCCAGGCCTGTGGGCTGGTCTCACCTTTGACAGCTGAATGTTCC
TAAAGAACTGCTGCCCCACAGTGGGGTGGGAGCAGCGGAACAGGGAATGCCAGACACAG
GCTCGCTGCTGCTGGAAGCGGGGTGGGACTTCTTCTCTGTCCGGAGAGGCACAGGTG
TCACCAGTTCAGCCAAAGGCTCCTCACAGGCGCTGTGAATTTTGTACAAGTCTTGTA
TTATCGAATCAACAACCTGTTTCAATTTAATAAAAATGCTCATGGGAAGTGAIAAAAAA
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Restriction Sites:

Please inquire

ACCN:	NM_020247
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:	<u>NM_020247.4</u> , <u>NP_064632.2</u>
RefSeq Size:	2932 bp
RefSeq ORF:	1944 bp
Locus ID:	56997
UniProt ID:	<u>Q8NI60</u>
Cytogenetics:	1q42.13
Domains:	ABC1
Protein Families:	Protein Kinase
Gene Summary:	This gene encodes a mitochondrial protein similar to yeast ABC1, which functions in an electron-transferring membrane protein complex in the respiratory chain. It is not related to the family of ABC transporter proteins. Expression of this gene is induced by the tumor suppressor p53 and in response to DNA damage, and inhibiting its expression partially suppresses p53-induced apoptosis. Alternatively spliced transcript variants have been found; however, their full-length nature has not been determined. [provided by RefSeq, Jul 2008]