

Product datasheet for **SC323527**

ADCK2 (NM_052853) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADCK2 (NM_052853) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADCK2
Synonyms:	AARF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC323527 sequence for NM_052853 edited (data generated by NextGen Sequencing)

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ATGGTGGCGCCCTGGCGCGTCTCCGTCAGGGTTTGCCTGTGCGACCTGAGGTGCTTCGAG
CTCAGACAGGGACTCAGCCTCCTGAGGCCCTCCGAGTGCCTCGCGATGCCAGGCTCTGC
TGGCTTCTGTGGGCACTTTGCCAAGGTCGTCTCCCTGTGCGGGGACGTGGGTGAGGGG
GCCCTGACGTTCTGAGTCGGCGAAGGGTCCGCTGCAGCGGGGCGGCTGGCGCGGGGCC
GCGGAGACCTCCCCGAGCGGGACCTCTGGGCGGCGTCTTCTGCATCTCCGCCTCTGG
CTTCGCGCGGCGCTCTGTTGGTGAATTCTTCCCCCTCCTACTCCTTACCCCCCTCACC
TACCTGGCTCCCAGCGTCTCCACCCTCTGGCTCCACCTGCTTCTGAAAGCCACCGAGACC
TCAGGCCAACCTACATCAAAGTGGGCCAGTGGGCCAGCACCCGGCGCGATCTGTTTTCG
GAGGCTTCTGTGCCAATTTTCCAAGCTGCATGTCCGAGTGACGCCCCACCCGTGGACT
CACACTGAGCGCTTCTTCGGCAGGCTTTTGGGATGACTGGGGAGCATCTCTCTTTT
GAGAACCAGGAACTGTGGGCTCAGGCTGCGTGGCCAGGTGTACAAAGCATAACGCCAAC
ACTGCCTTCTGGAGACTGACAGCGTCCAGAGACTTGGCAGGGCCTCCTGTCTGCCGCC
TTCTCACATACTGGGCGAGTCGGTGGGCTGAGAGAGCTCTTTGGATACCTTGAAATGGC
CGGAAACCTCCAGAAAATCTCGCAGACCAGTCGTTTCTAGAAAGGCTGCTCCTCCATAAA
GCTGACCTGGTTGGATCAAATGCAGGGGTGTCTCGGGCTCAGGTCCTGGCCACCAACCT
GAGGCCACCAACCTCATCTCCGTGGCAGTGTGGTGTGCACCCTGGCCTGCTCGCTCAG
GTGCATATGGACCTGCTGCTGATGAAGATTGGCAGCCAGTCTGGGAGTTTTGCCAGGC
ATCAAGTGGCTTAGCTTGCCTGAGATTGTGGAGGAATTTGAGAAGCTGATGGTCCAACAG
ATTGACCTGCGTTACGAAGCTCAGAATCTAGAACAATCCAGGTCAACTCCGGAATGTG
AAAGCCGTCAAGTTCCCCACCCCTCTGCGCCCTTTGTCACCAGAGAAGTCTTGGTGGAA
ACGTATGAAGAGAGTGTGCCTGTGTCCAGTTACCAGCAGGCAGGAATCCCGTGGACTTG
AAAAGGAAGATTGCACGGCTGGGGATCAACATGCTCCTGAAGATGATATTTGTGGATAAC
TTTGTCCATGCAGACCTTACCCTGGAAACATCCTGGTTCAGGGTGCCAACGGCCTGTCC
TCGAGTCAGGAGGCGCAGCTGCAGCAGGCGGACATCTGTGACACTCTGGTGGTGGCCGTG
CCATCTTCCCTCTGCCCGCTGCGACTGGTGTGCTGGATGCTGGCATTGTGGCGGAGCTG
CAGGCCCTGACCTGAGGAATTTCCGGGCAATTTTATGGCTGTGGTGTGGGGCAGGGC
CAGAGAGTGGCTGAGCTGATCCTGCATCATGCCCGGGCCAGCGAGTGCAGGGACGTGGAG
GGGTTCAAACCGAGATGGCCATGCTGGTGACCCAGGCCAGGAAGAACCACCATCACCTG
GAGAAGCTTCATGTGTCCAGCCTTCTCTCTAGTGTCTTTAAGTTGCTGATGACTACAAG
GTAAAGCTTGAGAGCAACTTTGCCTCCATTGTGTTTGGCCATCATGGTGTGGAGGGGCTT
GGCCGCTCACTGGACCCAAACTGGACATCCTGGAGGCAGCGAGGCCCTTCTCCTCACG
GGCCAGTGTGCCCCCGTGA

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Clone variation with respect to NM_052853.3
 932 a=>t;933 a=>g

5' Read Nucleotide Sequence:	>OriGene 5' read for mutant NM_052853 unedited CCGCCGTTGAGCAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAAC CGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGCGCTCTGAAGTGGAGGGCGGGCCGCTGGGC CGCGGGCCTCGGGAGGATGGTGGCGCCCTGGCGCGTCTCCGTGAGGGTTTGCCTGTCGCACCTGAGGTGC TTCGAGCTCAGACAGGGACTCAGCCTCTGAGGCCCTCCGAGTGCCTCGCGATGCCAGGCTCTGCTGGC TTCTGCTGGGCACTTTGCCAAGGTCGTCTCCCTGTGCGGGGACGTGGGTGAGGGGGCCCTGACGTTCT GAGTCGGCGAAGGGTCCGCTGCAGCGGGGCGGCTGGCGCGGGCCGCGGAGAGCCTCCCCGAGCGGGAC CTCTGGGCGGCGCTTCCCTGCATCTCCGCTCTGCTTCGCGCGCGCTCTGTTGTGAAATCTCCCCTCTAC TCTCTACCCCTCACCTACTGCTCAACGTTCTCACCTTCTGCTTCACTGCTTCTGAAAGCACGAAACCTC AGCCAATACTCAACTGGCAATGGACCAGCCACCCGGCGGATATCGGTTTCCGAGAGCTTCTGGCCAA TTACAAGACGTCGACAGTGTCCAATGTAGACGCCACACCTGACTCCACTTAGAGCGTTCTCTGCA GAGCGCTTAGGATGAGATCTACGTGGGAGACTCATCTCTTTAGACCGAACCTGAGCTCTAGCGTC CTGTGCCAAGTCCAAGCTAGCCAATGCGTCTCGAATCATGAAGTCTCGACTGTAGAGGCCCATGCTGTA CGCCTCTACTACTGGGAACATGCGTGAGACCTGTGACTGATAGCGCAACTCTAATCGGCAGCGTCTA GAGGCCTCCCTCATGAACAGCTATGGATTGA
Kinase Domain Sequence:	>SC323527 kinase domain raw sequence. By performing BLASTX analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation GYCGGGCTAGTCTGGCMCCACCTGAGGCCACCAACCTCATCTCCGTGGCAGTGATGGTGTGCACCT GGCCTGCTCGCTCAGGTGCATATGGACCTGCTGCTGATGAAGATTGGCAGCCGAGTCTGGGAGTTTGC CAGGCATCAAGTGGCTTAGCTTGCCTGAGATTGTGGAGGAATTTGAGAAGCTGATGGTCCAACAGATTGA CCTGCGTTACGAAGCTCAGAATCTAGAACACTTCCAGGTCAACT
Restriction Sites:	Please inquire
ACCN:	NM_052853
Insert Size:	2250 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 kinase-deficient mutant clone was generated by created by site-directed mutagenesis from the corresponding wild-type clone. See details in "Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling." Cell, 2008 May p536-548.
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_052853.3 , NP_443085.2

RefSeq Size:	2376 bp
RefSeq ORF:	1881 bp
Locus ID:	90956
UniProt ID:	Q7Z695
Cytogenetics:	7q34
Domains:	ABC1
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	The function of this protein is not yet clear. It is not known if it has protein kinase activity and what type of substrate it would phosphorylate (Ser, Thr or Tyr).[UniProtKB/Swiss-Prot Function]