

## Product datasheet for **SC323680**

### ADCK4 (COQ8B) (NM\_024876) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADCK4 (COQ8B) (NM_024876) Human Untagged Clone
Tag:	Tag Free
Symbol:	ADCK4
Synonyms:	ADCK4; NPHS9
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_024876, the custom clone sequence may differ by one or more nucleotides

```

ATGTGGCTGAAGGTGGGGGCTACTTCGGGGACCGGTGGACAGCTGGGCCAGACTGTTGGTTGGCCTT
GTGGGGCCCTGGGGCCTGGGCCCCACCGCTGGGGACCATGTGGAGTTCTTGGGCCAAAAGTTTTACCA
GGATGGGCTGGGAGAGGCTGGGTGAGGAGACATTCGACGGCACGGGAGGCCGTCCCAGGAAGACA
CCCCGGCCCCAGCTGAGTGACCGCTCTCGAGAACGCAAGGTGCCTGCCATCAGCCGCTTGCCCA
ACTTTGGGGACTGGCTGTGGGCTTGGGCTAGGAGTACTGGCCGAGATGGCTAAGAAGTCCATGCCAGG
AGGTCTGTGCAGTCAGAGGGTGGTTCTGGGCTGGACTCCAGCCCTTCTGTGCGAGGCCAATGCCGAG
CGGATTGTGCAGACCTTATGTACAGTTCGAGGGGCCGCCCTCAAGTTGGCCAGATGCTCAGCATCCAGG
ACAACAGCTTCATCAGCCCTCAGCTGCAGCACATCTTTGAGCGGGTCCGCCAGAGCGCCGACTTCATGCC
CCGCTGGCAGATGCTGAGAGTCTTGAAGAGGAGCTCGGCAGGGACTGGCAGGCCAAGGTGGCTCCTTG
GAGGAGGTGCCCTTGGCCGTGCCTCAATTGGGCAGGTGCACCAGGCCCTGCTGAGGGACGGGACGGAGG
TGGCCGTGAAGATCCAGTACCCCGCATAGCCAGAGCATTAGAGCGATGTCCAGAACCTGCTGGCGGT
ACTCAAGATGAGCGCGGCCCTGCCCGCGGGCTGTTGCCGAGCAGAGCCTGCAGGCCTGCAGCAGGAG
CTGGCTTGGGAGTGTGACTACCGTCTGAGGCGGCTTGTGCCAGAATTCAGGCAGCTGCTGGCAAATG
ACCCCTTCTTCCGGGTCCCAGCCGTGGTTAAGGAGCTGTGCACGACACGGGTGCTGGGCATGGAGCTGGC
TGGAGGGGTCCCCTGGACCAGTGCAGGGCCTAAGCCAGGACCTGCAGAACAGATTTGCTTCCAGCTC
CTGACGCTGTGTCTGCGGGAGCTGTTTGTAGTTCGATTTCATGCAGACTGACCCCAACTGGGCCAACTTCC
TGTATGATGCCTCCAGCCACCAGGTGACCTGCTGGACTTTGGTCAAGCCGGGAGTTTGGGACAGAGTT
CACAGACCTTACATCGAGGTGGTGAAGGCTGCAGTGTGAGACAGAGACTGTGTCTGCAGAAGTCC
AGGGACCTCAAATTCCTCACAGGCTTTGAAACCAAGGCATTCTCGACGCCACGTCGAGAGATGATGA
TCCTGGGGGAGCCTTTCGCCACCCAGGGCCTTATGACTTTGGGTGGGGGAAACGGCCCGCCGATACA
GGACCTCATCCCGGTGCTGCTGCGGCACCGGCTGTGTCCCCACCCGAGGAGACCTATGCCTGCACCGC
AAGCTGGCAGGGGCTTCTGCGCTGTGCCACCTCCGAGCCACATCGCTGCAGGGACCTCTTCCAGG
ACACCTACCACCGCTACTGGCCAGTCGCCAGCCAGACGACGACCCACTGCCGCGAGCCTCCCACCAAAGG
GGACTCTGGGTGGATCCCTCATGA
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for mutant NM\_024876 unedited

```

CCCCCCGTTCCAGCAAAGGGCGGTAGGCGTGTACGGTTGGGAGGTTCTATATAAGCAGAGCTCGTTTAA
TGAACCGTCAGAACTTTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGGTGAGCGGGA
AACAGTTGGCAAGCAAGGCAATGTGGCTGAAGGTGGGGGGCTACTTCGGGGGACCGGTGGACAGCTGGG
CCAGACTGTTGGTTGGCCTTGTGGGGCCCTGGGGCCTGGGCCCCACCGCTGGGGACCATGTGGAGTTCT
TGGGCCAAAAGTTTTACCAGGATGGGCCTGGGAGAGGCCTGGGTGAAGGAGGGACATTTCCGCAAGG
GCACGGGAGAGGCCCGTCCAAGGAAAGAACACCCCGCCCCACTCTGATGTGACCCGCTCTCTCGAA
AACGCCAAGTGTCCGGCCCTCCCCCATCAGCCCTTGCACACCTTGGGGGGGACTGCCTGGGGGGC
TGGGGGGCTAGAATTCGGGCCAAAATGGCTAAAAATCCCATGCCCGGAGGCTGCCTTGTCCAA
AGGGGGTTTTTGGGGCGGACCCCCCCTTTCTTTTGAAGGCCAAGGCCAAAACGGGATTTGGCCA
ACCCCTATTTTCTTTTAGGGGGCCCCCCCCAAGGTTGGCCAAAACCCCCCCCCCGGGGAACAC
GAAACCCCAATTTGAACCCCTGGACCCCTTTTTTACCAAGCCCTCCCCAAAAGGGCCAAATTTTT
AAAAACCTACAGGGGGCCCCCCCCCTTGTTTTTTTTTTCCCTGAGTGCCCCGTGTGCCAAAA
AAAAATTTCTTAAACCTCTTTGTACGAAAACATTTTTTAGGGGCGCTCCGACAACGCTATTTTTCCCC
CCGGGGAAGCATGAGTATTTTTATAAAAAACACCTATGGAGCGCAGACCACCGAGCGTTCTCTTAAG
TAGTGATTCTTCGTGCTACTTCGTGTAGAGCACCCACCCGCGGTGTAGATGCGCGCATGTAGACTT
GCTT
    
```

<b>Kinase Domain Sequence:</b>	>SC323680 kinase domain raw sequence. By performing <a href="#">BLASTX</a> analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation CTGGAGCTGCTACTASGCTTAGCTGCTCAKSAKMSATGGGMRGKACASGGCCTGCTGAGGGACGGGACG GAGGTGGCCGTGATGATCCAgTACCCCGGCATAGCCCAGAGCATTGAGAGCGATGCCAGAACCTGCTGG CAGTACTCAAGATGAGCGCGGCCCTGCCCGCGGCCTGTTGCCGAGCAGAGCCTGCAGGCCTTGCASCA GGAGCTGGCTTGGGAGTGTGACTACCGTCRTGAGGCGGCTTGTGC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_024876
<b>Insert Size:</b>	2500 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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." <a href="#">Cell. 2008 May p536-548.</a>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_024876.1</a> , <a href="#">NP_079152.1</a>
<b>RefSeq Size:</b>	1949 bp
<b>RefSeq ORF:</b>	501 bp
<b>Locus ID:</b>	79934
<b>UniProt ID:</b>	<a href="#">Q96D53</a>
<b>Cytogenetics:</b>	19q13.2
<b>Domains:</b>	ABC1
<b>Protein Families:</b>	Druggable Genome, Protein Kinase

**Gene Summary:**

This gene encodes a protein with two copies of a domain found in protein kinases. The encoded protein has a complete protein kinase catalytic domain, and a truncated domain that contains only the active and binding sites of the protein kinase domain, however, it is not known whether the protein has any kinase activity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).