

Product datasheet for **RG226788**

ADCK4 (COQ8B) (NM_001142555) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ADCK4
Synonyms:	ADCK4; NPHS9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG226788 representing NM_001142555
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTGGCTGAAGGTGGGGGCCTACTTCGGGGACCGGTGGACAGCTGGCCAGACTGTTGGTTGGCCTT
 GTGGGGCCCTGGGGCCTGGGCCCCACCGCTGGGGACCATGTGGAGGTTCTTGGGCCCAAAAGTTTACCA
 GGATGGGCCTGGGAGAGGCCTGGGTGAGGAGGACATTCGACAGGACACGGGAGGCCCGTCCCAGGAAGACA
 CCCCAGCCAGCTGAGTGACCGCTCTCGAGAACGCAAGGTGCCTGCCATCAGCCGCTTGGCCA
 ACTTTGGGGACTGGCTGTGGGCTTGGGCTAGGAGTACTGGCCGAGATGGCTAAGAAGTCCATGCCAGG
 AGGTCGCTCTGCAGTCAGACAACAGCTTCATCAGCCCTCAGCTGCAGCACATCTTTGAGCGGGTCCGCCAG
 AGCGCCGACTTCATGCCCGCTGGCAGATGCTGAGAGTTCTTGAAGAGGAGCTCGGCAGGACTGGCAGG
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 GAGGGACGGGACGGAGGTGGCCGTGAAGATCCAGTACCCCGCATAGCCAGAGCATTAGAGCGATGTC
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 CAACTGGGCCAACTTCTGTATGATGCCTCCAGCCACAGGTGACCTGCTGGACTTGTGCAAGCCGG
 GAGTTTGGGACAGAGTTCACAGACCATTACATCGAGGTGGTGAAGGCTGCAGCTGATGGAGACAGAGACT
 GTGTCTGCAGAAGTCCAGGACCTCAAATTCCTCACAGGCTTTGAAACCAAGGCATTCTCCGACGCCCA
 CGTGGAGGACAGTATGATCCTGGGGAGCCTTTCGCCACCCAGGGCCCTTATGACTTTGGGTGCGGGGAA
 ACGGCCCGCCGATACAGGACCTCATCCCGGTGCTGCTGCGGCACCGGCTGTGTCCCCACCCGAGGAGA
 CCTATGCCCTGCACCGCAAGCTGGCAGGGGCTTTCCTGGCCTGTGCCACCTCCGAGCCACATCGCCTG
 CAGGGACCTCTTCAGGACCTACCACCGCTACTGGGCCAGTGCAGCCAGACGCAGCCACTGCCGGC
 AGCCTCCCCACCAAGGGGACTCCTGGGTGGATCCCTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

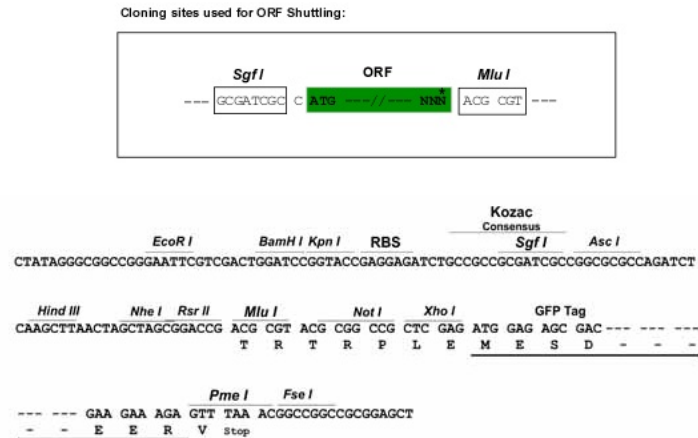
Protein Sequence: >RG226788 representing NM_001142555
 Red=Cloning site Green=Tags(s)

MWLKVGLLRGTGGQLGQTVGWPCGALGPGPHRWGPCGGSWAQKFYQDGPGRGLGEEDIRRAREARPRKT
 PRPQLSDRSRERKVPASRISRLANFGGLAVGLGLVLAEMAKKSMPGGRLQSDNSFISPQLQHIFERVQ
 SADFMPRWQMLRVLEEELGRDWQAKVASLEEVFAAASIGQVHQGLLRDGEVAVKIQYPGIAQSIQSDV
 QNLLAVLKMSAALPAGLFAEQSLQALQQLAWECDYRREAACAQNFRLANDPFFRVPVAVKELCTTRV
 LGMELAGGVPLDQCQLSQDLRNQICFQLLTCLRELFEFRMQTDPNWNANFLYDASSHQVTLDFGASR
 EFGTEFTDHYIEVVKAAADGDRDCVLQKSRDLKFLTGFETKAFSDAHVEAVMILGEPFATQGPYDFGSGE
 TARRIQDLIPVLLRHRLCPPPEETYALHRKLAGAFLACAHLRAHIACRDLFQDTYHRYWASRPDAATAG
 SLPTKGDSWVDP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001142555

ORF Size: 1509 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001142555.3](#)

RefSeq Size: 2057 bp

RefSeq ORF: 1512 bp

Locus ID: 79934

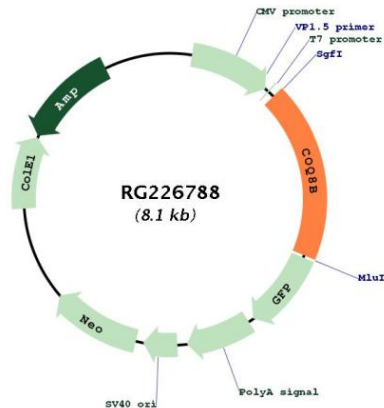
UniProt ID: [Q96D53](#)

Cytogenetics: 19q13.2

Protein Families: 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]

Product images:



Circular map for RG226788