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Product datasheet for RC226788

ADCK4 (COQ8B) (NM_001142555) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADCK4 (COQ8B) (NM_001142555) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADCK4
Synonyms:	ADCK4; NPHS9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC226788 representing NM_001142555
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCTGAAGGTGGGGGGCCTACTTCGGGGGACCGGTGGACAGCTGGGCCAGACTGTTGGTTGGCCTT
GTGGGGCCCTGGGGCCTGGGCCCCACCGCTGGGGACCATGTGGAGGTTCTTGGGCCCAAAAGTTTTACCA
GGATGGGCCTGGGAGAGGCCTGGGTGAGGAGGACATTCGCAGGGCACGGGAGGCCCGTCCCAGGAAGACA
CCCCGGCCCCAGCTGAGTGACCGCTCTCGAGAACGCAAGGTGCCTGCCTCCCGCATCAGCCGCTTGGCCA
ACTTTGGGGGACTGGCTGTGGGCTTGGGGCTAGGAGTACTGGCCGAGATGGCTAAGAAGTCCATGCCAGG
AGGTCGTCTGCAGTCAGACAACAGCTTCATCAGCCCTCAGCTGCAGCACATCTTTGAGCGGGTCCGCCAG
AGCGCCGACTTCATGCCCCGCTGGCAGATGCTGAGAGTTCTTGAAGAGGAGCTCGGCAGGGACTGGCAGG
CCAAGGTGGCCTCCTTGGAGGAGGTGCCCTTTGCCGCTGCCTCAATTGGGCAGGTGCACCAGGGCCTGCT
GAGGGACGGGACGGAGGTGGCCGTGAAGATCCAGTACCCCGGCATAGCCCAGAGCATTCAGAGCGATGTC
CAGAACCTGCTGGCGGTACTCAAGATGAGCGCGGCCCTGCCCGCGGGCCTGTTTGCCGAGCAGAGCCTGC
AGGCCTTGCAGCAGGAGCTGGCTTGGGAGTGTGACTACCGTCGTGAGGCGGCTTGTGCCCAGAATTTCAG
GCAGCTGCTGGCAAATGACCCCTTCTTCCGGGTCCCAGCCGTGGTTAAGGAGCTGTGCACGACACGGGTG
CTGGGCATGGAGCTGGCTGGAGGGGTCCCCCTGGACCAGTGCCAGGGCCTAAGCCAGGACCTGCGGAACC
AGATTTGCTTCCAGCTCCTGACGCTGTGTCTGCGGGAGCTGTTTGAGTTCCGATTCATGCAGACTGACCC
CAACTGGGCCAACTTCCTGTATGATGCCTCCAGCCACCAGGTGACCCTGCTGGACTTTGGTGCAAGCCGG
GAGTTTGGGACAGAGTTCACAGACCATTACATCGAGGTGGTGAAGGCTGCAGCTGATGGAGACAGAGACT
GTGTCCTGCAGAAGTCCAGGGACCTCAAATTCCTCACAGGCTTTGAAACCAAGGCATTCTCCGACGCCCA
CGTGGAGGCAGTGATGATCCTGGGGGAGCCTTTCGCCACCCAGGGCCCTTATGACTTTGGGTCGGGGGAA
ACGGCCCGCCGCATACAGGACCTCATCCCGGTGCTGCTGCGGCACCGGCTGTGTCCCCCACCCGAGGAGA
CCTATGCCCTGCACCGCAAGCTGGCAGGGGCTTTCCTGGCCTGTGCCCACCTCCGAGCCCACATCGCCTG
CAGGGACCTCTTCCAGGACACCTACCACCGCTACTGGGCCAGTCGCCAGCCAGACGCAGCCACTGCCGGC
AGCCTCCCCACCAAAGGGGACTCCTGGGTGGATCCCTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226788 representing NM_001142555
Red=Cloning site Green=Tags(s)

MWLKVGGLLRGTGGQLGQTVGWPCGALGPGPHRWGPCGGSWAQKFYQDGPGRGLGEEDIRRAREARPRKT
PRPQLSDRSRERKVPASRISRLANFGGLAVGLGLGVLAEMAKKSMPGGRLQSDNSFISPQLQHIFERVRQ
SADFMPRWQMLRVLEEELGRDWQAKVASLEEVPFAAASIGQVHQGLLRDGTEVAVKIQYPGIAQSIQSDV
QNLLAVLKMSAALPAGLFAEQSLQALQQELAWECDYRREAACAQNFRQLLANDPFFRVPAVVKELCTTRV
LGMELAGGVPLDQCQGLSQDLRNQICFQLLTLCLRELFEFRFMQTDPNWANFLYDASSHQVTLLDFGASR
EFGTEFTDHYIEVVKAAADGDRDCVLQKSRDLKFLTGFETKAFSDAHVEAVMILGEPFATQGPYDFGSGE
TARRIQDLIPVLLRHRLCPPPEETYALHRKLAGAFLACAHLRAHIACRDLFQDTYHRYWASRQPDAATAG
SLPTKGDSWVDPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8077_h12.zip

Restriction Sites: SgfI-MluI

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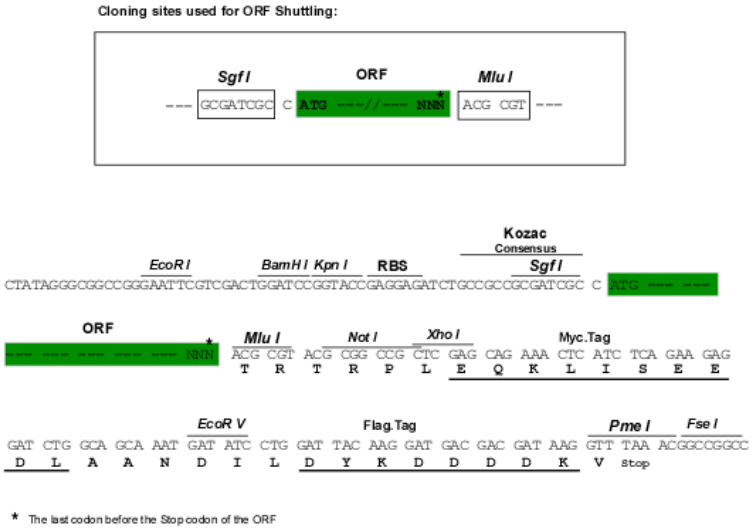
Cloning Scheme:



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.

RefSeq: NM_001142555.3

RefSeq ORF: 1512 bp

Locus ID: 79934

UniProt ID: Q96D53

Cytogenetics: 19q13.2

Protein Families: Druggable Genome, Protein Kinase

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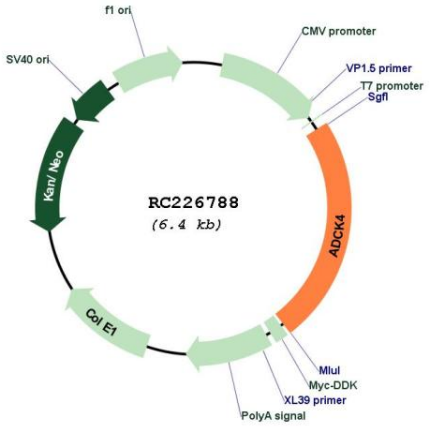
MW: 55.7 kDa

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 RC226788

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