OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC223467

CCK4 (PTK7) (NM_152882) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCK4 (PTK7) (NM_152882) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCK4
Synonyms:	CCK-4; CCK4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC223467 representing NM_152882
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGCTGCGCGGGGATCCCCGGCCAGACCCCGCCGGTTGCCTCTGCTCAGCGTCCTGCTGCTGCCGC
TGCTGGGCGGTACCCAGACAGCCATTGTCTTCATCAAGCAGCCGTCCTCCCAGGATGCACTGCAGGGGCG
CCGGGCGCTGCTTCGCTGTGAGGTTGAGGCTCCGGGCCCGGTACATGTGTACTGGCTGCTCGATGGGGCC
CCTGTCCAGGACACGGAGCGGCGTTTCGCCCAGGGCAGCAGCCTGAGCTTTGCAGCTGTGGACCGGCTGC
AGGACTCTGGCACCTTCCAGTGTGTGGCTCGGGATGATGTCACTGGAGAAGAAGCCCGCAGTGCCAACGC
CTCCTTCAACATCAAATGGATTGAGGCAGGTCCTGTGGTCCTGAAGCATCCAGCCTCGGAAGCTGAGATC
CAGCCACAGACCCAGGTCACACTTCGTTGCCACATTGATGGGCACCCTCGGCCCACCTACCAATGGTTCC
GAGATGGGACCCCCCTTTCTGATGGTCAGAGCAACCACACAGTCAGCAGCAAGGAGCGGAACCTGACGCT
CCGGCCAGCTGGTCCTGAGCATAGTGGGCTGTATTCCTGCTGCGCCCACAGTGCTTTTGGCCAGGCTTGC
AGCAGCCAGAACTTCACCTTGAGCATTGCTGATGAAAGCTTTGCCAGGGTGGTGCTGGCACCCCAGGACG
TGGTAGTAGCGAGGTATGAGGAGGCCATGTTCCATTGCCAGTTCTCAGCCCAGCCACCCCCGAGCCTGCA
GTGGCTCTTTGAGGATGAGACTCCCATCACTAACCGCAGTCGCCCCCCACACCTCCGCAGAGCCACAGTG
TTTGCCAACGGGTCTCTGCTGCTGACCCAGGTCCGGCCACGCAATGCAGGGATCTACCGCTGCATTGGCC
AGGGGCAGAGGGGCCCACCCATCATCCTGGAAGCCACACTTCACCTAGCAGAGATTGAAGACATGCCGCT
ATTTGAGCCACGGGTGTTTACAGCTGGCAGCGAGGAGCGTGTGACCTGCCTTCCCCCCAAGGGTCTGCCA
GAGCCCAGCGTGTGGTGGGAGCACGCGGGAGTCCGGCTGCCCACCCATGGCAGGGTCTACCAGAAGGGCC
ACGAGCTGGTGTTGGCCAATATTGCTGAAAGTGATGCTGGTGTCTACACCTGCCACGCGGCCAACCTGGC
TGGTCAGCGGAGACAGGATGTCAACATCACTGTGGCCACTGTGCCCTCCTGGCTGAAGAAGCCCCAAGAC
AGCCAGCTGGAGGAGGGCAAACCCGGCTACTTGGATTGCCTGACCCAGGCCACACCAAAACCTACAGTTG
TCTGGTACAGAAACCAGATGCTCATCTCAGAGGACTCACGGTTCGAGGTCTTCAAGAATGGGACCTTGCG
CATCAACAGCGTGGAGGTGTATGATGGGACATGGTACCGTTGTATGAGCAGCACCCCAGCCGGCAGCATC
```

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

GAGGCGCAAGCCCGTGTCCAAGTGCTGGAAAAGCTCAAGTTCACACCACCACCCCAGCCACAGCAGTGCA
TGGAGTTTGACAAGGAGGCCACGGTGCCCTGTTCAGCCACAGGCCGAGAGAAGCCCACTATTAAGTGGGA
ACGGGCAGATGGGAGCAGCCTCCCAGAGTGGGTGACAGACAACGCTGGGACCCTGCATTTTGCCCGGGTG
ACTCGAGATGACGCTGGCAACTACACTTGCATTGCCTCCAACGGGCCGCAGGGCCAGATTCGTGCCCATG
TCCAGCTCACTGTGGCAGTTTTTATCACCTTCAAAGTGGAACCAGAGCGTACGACTGTGTACCAGGGCCA
CACAGCCCTACTGCAGTGCGAGGCCCAGGGGGACCCCAAGCCGCTGATTCAGTGGAAAGACAAGCCTGTG
CCGGAGGAGTCGGAGGGCCCTGGCAGCCCTCCCCCCTACAAGATGATCCAGACCATTGGGTTGTCGGTGG
GTGCCGCTGTGGCCTACATCATTGCCGTGCTGGGCCTCATGTTCTACTGCAAGAAGCGCTGCAAAGCCAA
GCGGCTGCAGAAGCAGCCCGAGGGCGAGGAGCCAGAGATGGAATGCCTCAACGGTGGGCCTTTGCAGAAC
GGGCAGCCCTCAGCAGAGATCCAAGAAGAAGTGGCCTTGACCAGCTTGGGCTCCGGCCCCGCGGCCACCA
ACAAACGCCACAGCACAAGTGATAAGATGCACTTCCCACGGTCTAGCCTGCAGCCCATCACCACGCTGGG
GAAGAGTGAGTTTGGGGAGGTGTTCCTGGCAAAGGCTCAGGGCTTGGAGGAGGGAGTGGCAGAGACCCTG
GTACTTGTGAAGAGCCTGCAGAGCAAGGATGAGCAGCAGCAGCTGGACTTCCGGAGGGAGTTGGAGATGT
TTGGGAAGCTGAACCACGCCAACGTGGTGCGGCTCCTGGGGCTGTGCCGGGAGGCTGAGCCCCACTACAT
GGTGCTGGAATATGTGGATCTGGGAGACCTCAAGCAGTTCCTGAGGATTTCCAAGAGCAAGGATGAAAAA
TTGAAGTCACAGCCCCTCAGCACCAAGCAGAAGGTGGCCCTATGCACCCAGGTAGCCCTGGGCATGGAGC
ACCTGTCCAACAACCGCTTTGTGCATAAGGACTTGGCTGCGCGTAACTGCCTGGTCAGTGCCCAGAGACA
AGTGAAGGTGTCTGCCCTGGGCCTCAGCAAGGATGTGTACAACAGTGAGTACTACCACTTCCGCCAGGCC
TGGGTGCCGCTGCGCTGGATGTCCCCCGAGGCCATCCTGGAGGGTGACTTCTCTACCAAGTCTGATGTCT
GGGCCTTCGGTGTGCTGATGTGGGAAGTGTTTACACATGGAGAGATGCCCCATGGTGGGCAGGCAGATGA
TGAAGTACTGGCAGATTTGCAGGCTGGGAAGGCTAGACTTCCTCAGCCCGAGGGCTGCCCTTCCAAACTC
TATCGGCTGATGCAGCGCTGCTGGGCCCTCAGCCCCAAGGACCGGCCCTCCTTCAGTGAGATTGCCAGCG
CCCTGGGAGACAGCACCGTGGACAGCAAGCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223467 representing NM_152882
Red=Cloning site Green=Tags(s)

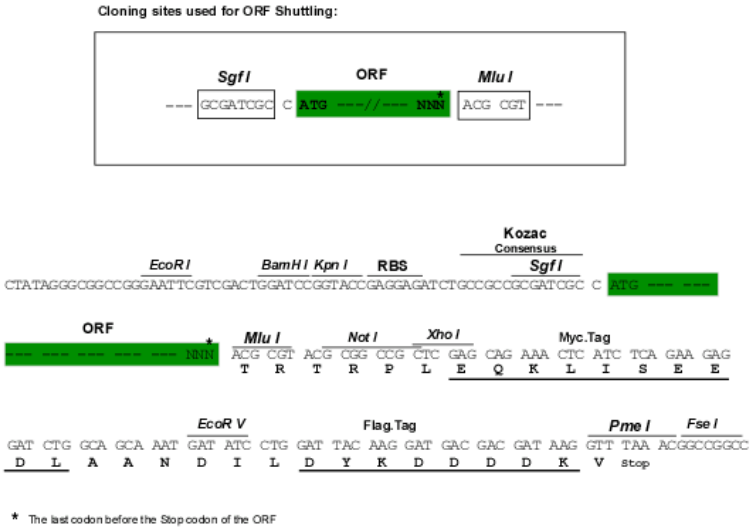
MGAARGSPARPRRLPLLSVLLLPLLGGTQTAIVFIKQPSSQDALQGRRALLRCEVEAPGPVHVYWLLDGA
PVQDTERRFAQGSSLSFAAVDRLQDSGTFQCVARDDVTGEEARSANASFNIKWIEAGPVVLKHPASEAEI
QPQTQVTLRCHIDGHPRPTYQWFRDGTPLSDGQSNHTVSSKERNLTLRPAGPEHSGLYSCCAHSAFGQAC
SSQNFTLSIADESFARVVLAPQDVVVARYEEAMFHCQFSAQPPPSLQWLFEDETPITNRSRPPHLRRATV
FANGSLLLTQVRPRNAGIYRCIGQGQRGPPIILEATLHLAEIEDMPLFEPRVFTAGSEERVTCLPPKGLP
EPSVWWEHAGVRLPTHGRVYQKGHELVLANIAESDAGVYTCHAANLAGQRRQDVNITVATVPSWLKKPQD
SQLEEGKPGYLDCLTQATPKPTVVWYRNQMLISEDSRFEVFKNGTLRINSVEVYDGTWYRCMSSTPAGSI
EAQARVQVLEKLKFTPPPQPQQCMEFDKEATVPCSATGREKPTIKWERADGSSLPEWVTDNAGTLHFARV
TRDDAGNYTCIASNGPQGQIRAHVQLTVAVFITFKVEPERTTVYQGHTALLQCEAQGDPKPLIQWKDKPV
PEESEGPGSPPPYKMIQTIGLSVGAAVAYIIAVLGLMFYCKKRCKAKRLQKQPEGEEPEMECLNGGPLQN
GQPSAEIQEEVALTSLGSGPAATNKRHSTSDKMHFPRSSLQPITTLGKSEFGEVFLAKAQGLEEGVAETL
VLVKSLQSKDEQQQLDFRRELEMFGKLNHANVVRLLGLCREAEPHYMVLEYVDLGDLKQFLRISKSKDEK
LKSQPLSTKQKVALCTQVALGMEHLSNNRFVHKDLAARNCLVSAQRQVKVSALGLSKDVYNSEYYHFRQA
WVPLRWMSPEAILEGDFSTKSDVWAFGVLMWEVFTHGEMPHGGQADDEVLADLQAGKARLPQPEGCPSKL
YRLMQRCWALSPKDRPSFSEIASALGDSTVDSKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Cloning Scheme:

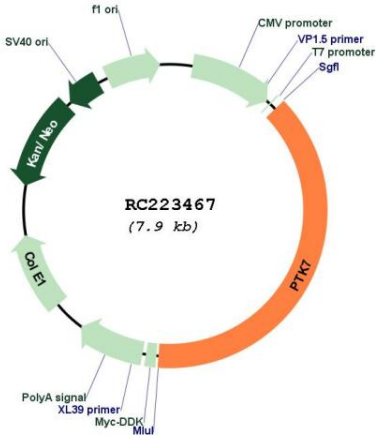


ACCN:	NM_152882
ORF Size:	3042 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_152882.4
RefSeq Size:	4105 bp
RefSeq ORF:	3045 bp

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Locus ID:	5754
UniProt ID:	Q13308
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
MW:	112.3 kDa
Gene Summary:	This gene encodes a member of the receptor protein tyrosine kinase family of proteins that transduce extracellular signals across the cell membrane. The encoded protein lacks detectable catalytic tyrosine kinase activity, is involved in the Wnt signaling pathway and plays a role in multiple cellular processes including polarity and adhesion. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RC223467

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US