

Product datasheet for RC209690

CCK4 (PTK7) (NM_002821) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCK4 (PTK7) (NM_002821) 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:	>RC209690 representing NM_002821. Blue=ORF Red=Cloning site Green=Tag(s)

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CCACCCCAGCCACAGCAGTGCATGGAGTTTGACAAGGAGGCCACGGTGCCTGTTTCAGCCACAGGCCGA
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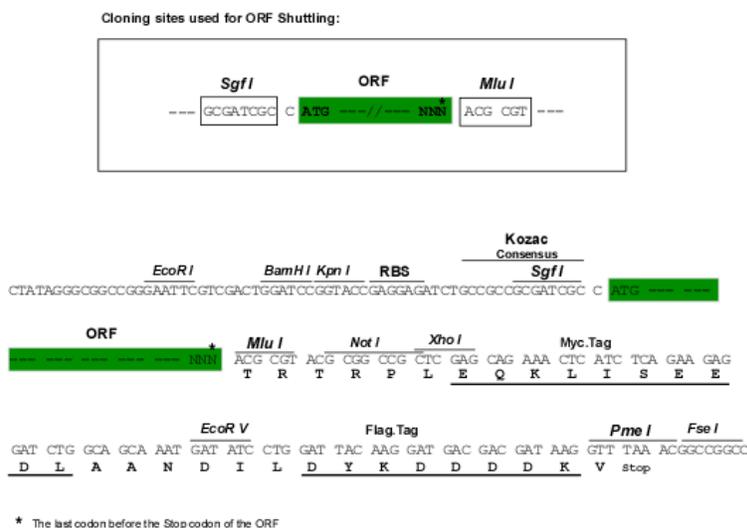
Protein Sequence:

>Peptide sequence encoded by RC209690
 Blue=ORF Red=Cloning site Green=Tag(s)

MGAARGSPARPRRLPLLSVLLLPLLGGTQTAIVFIKQPSSQDALQRRALLRCEVEAPGPVHVYLLDGLD
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 EIQPQTQVTLRCHIDGHPRTYQWFRDGTPLSDGQSNHTVSSKERNLTLRPAPEHSGLYSCAHSAFG
 QACSSQNF TLSIADESFARVVLAPQDVVARYEEMFHCQFSAQPPPSLQWLFEDETPITNRSRPHLR
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 GTLHFARVTRDDAGNYTCIASNGPQGQIRAHVQLTVAVFITFKVEPERTTYVYQGHALLQCEAQGDPKP
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 EPGSPPPYKMIQTIIGLSVGAAYIIAVLGLMFYCKRCKAKRLQKQPEGEEPEMECLNGGPLQNGQP
 SAEIQEEVALTSLGSGPAATNKRHSTSDKMHPRSSLQPIITTLGKSEFGEVFLAKAQGLEEGVAETLVL
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 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_002821

ORF Size: 3210 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_002821.5](#)

RefSeq Size: 4249 bp

RefSeq ORF: 3213 bp

Locus ID: 5754

UniProt ID: [Q13308](#)

Cytogenetics: 6p21.1

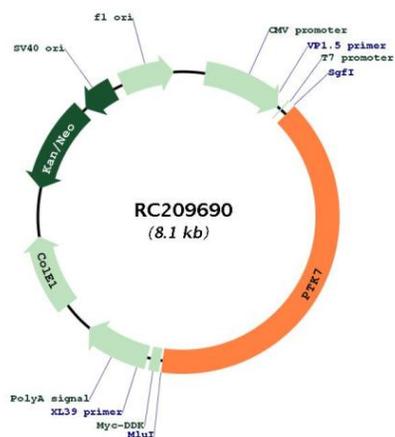
Domains: pkinase, TyrKc, S_TKc, ig, IGc2, IG

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

MW: 118.4 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 RC209690