

Product datasheet for **RC600065**

CCK4 (PTK7) (NM_152881) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCK4 (PTK7) (NM_152881) Human Tagged ORF Clone
Tag:	DDK-His
Symbol:	CCK4
Synonyms:	CCK-4; CCK4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5-DDK-His (PS100068)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC600065 representing leader sequence plus the extracellular domain region of NM_152881

Red=Cloning site Blue=ORF Green=Tags(s)

GTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGGGAGCTGCGCGGGGATCCCCGGCCAGACCCCGCCGGTTGCCTCTGCTCAGCGTCTGCTGCTGCCG
TGCTGGGCGGTACCCAGACAGCCATTGTCTTCATCAAGCAGCCGCTCTCCAGGATGCACTGCAGGGGCG
CCGGGCGCTGTTGCTGTGAGGTTGAGGCTCCGGGCCGGTACATGTGTACTGGCTGCTCGATGGGGCC
CCTGTCCAGGACCGGAGCGGCTTTCCGCCAGGGCAGCAGCCTGAGCTTTGCAGCTGTGGACCGGCTGC
AGGACTCTGGCACCTTCCAGTGTGTGGCTCGGGATGATGCTACTGGAGAAGAAGCCCGCAGTGCCAAACGC
CTCCTTCAACATCAAATGGATTGAGGCAGTCTGTGGTCTGAAGCATCCAGCCTCGGAAGCTGAGATC
CAGCCACAGACCAGGTACACTTCGTTGCCACATTGATGGGCACCTCGGCCACCTACCAATGGTTCC
GAGATGGGACCCCTTTCTGATGGTCAAGCAACACAGTCAAGCAGCAAGGAGCGGAACCTGACGCT
CCGGCCAGCTGGTCTGAGCATAGTGGGCTGATTCTGCTGCGCCACAGTGTCTTTGGCCAGGCTTGC
AGCAGCCAGAACTTACCTTGTGATGATGAAAGCTTTGCCAGGGTGGTGTGGCACCCAGGACG
TGGTAGTAGCGAGGTATGAGGAGGCCATGTTCCATTGCCAGTTCTCAGCCAGCCACCCCGAGCCTGCA
GTGGCTCTTTGAGGATGAGACTCCCATCACTAACCAGCAGTCCGCCCCACACCTCCGAGAGCCACAGTG
TTTGCCAAACGGGTCTCTGCTGCTGACCCAGGTCGGCCACGCAATGCAGGGATCTACCGTGCATTGGCC
AGGGGCAGAGGGGCCACCCATCATCTGGAAGCCACACTTACCTAGCAGAGATTGAAGACATGCCGCT
ATTTGAGCCACGGGTGTTTACAGCTGGCAGCAGGAGCGTGTGACCTGCCTTCCCCCAAGGGTCTGCCA
GAGCCACGCGTGTGGTGGGAGCACGCGGGAGTCCGGCTGCCACCCATGGCAGGGTCTACCAGAAGGGCC
ACGAGCTGGTGTGGCCAATATTGCTGAAAGTGTGCTGGTGTCTACACCTGCCACGCGGCAACCTGGC
TGGTCAGCGGAGACAGGATGTCAACATCACTGTGGCCAATGGGAGCAGCCTCCAGAGTGGGTGACAGAC
AACGCTGGGACCCTGCATTTTGCCTGGGTGACTCGAGATGACGCTGGCAACTACACTTGCATTGCCTCCA
ACGGGCCCGAGGGCCAGATTCTGCCCCATGTCCAGCTCACTGTGGCAGTTTTTATCACCTTCAAAGTGA
ACCAGAGCGTACGACTGTGTACCAGGGCCACAGCCCTACTGCAGTGGAGGCCAGGGGGACCCCAAG
CCGCTGATTCAGTGAAAGGCAAGGACCGCATCTGGACCCACCAAGCTGGGACCCAGGATGCACATCT
TCCAGAATGGCTCCCTGGTATCCATGACGTGGCCCTGAGGACTCAGGCCGCTACACCTGCATTGCAGG
CAACAGCTGCAACATCAAGCACACGGAGCCCCCTCTATGTCTGGACAAGCTGTGCCGAGGAGTGC
GAGGGCCCTGGCAGCCCTCCCCCTACAAGATGATCCAGACC

ACGCGTTCAGGGGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:

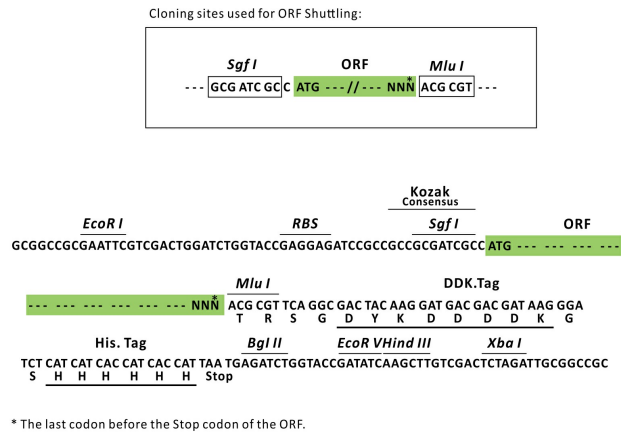
>RC600065 representing signal peptide plus the extracellular domain region of NM_152881

Red=Cloning sites Green= DDK and 6XHIS Tags

MGAARGSPARPRRLPLLSVLLLPLLGGTQTAIVFIKQPSSQDALQRRALLRCEVEAPGPVHVYLLDGA
PVQDTERRFAQGSSL SFAAVDRLQDSGTFQCVARDDVTGEEARSANASFNKIEWIEAGPVVLKHPASEAEI
QPQTQVTLRCHIDGHPRPTYQWFRDGTPLSDGQSNHTVSSKERNLTLRPAGPEHSGLYSCAHSFAGQAC
SSQNFTLSIADESFARVVLAPQDVVVARVEEAMFHCQFSAQPPPSLQWLFEDETPTNRSRPHLRRTV
FANGSLLLQVVRPRNAGIYRCIGQGQRPPIILEATLHLAEIEDMPLFEPVFTAGSEERVTCCLPPKGLP
EPSVWWEHAGVRLPTHGRVYQKHELVLANIAESDAGVYTCHAAANLAGQRRQDVNITVANGSSLPEWVTD
NAGTLHFARVTRDDAGNYTCIASNGPQQQIRAHVQLTVAVFITFKVEPERTTVYQGHALLQCEAQGDPK
PLIQWKGDRIIDPTKLGPRMHIFQNGSLVIHDVAPEDSGRYTICAGNSCNKHTEAPLYVVDKPVPEES
EGPGSPPPYKMIQT

TRSGTRSGDYKDDDDKGSHHHHHH

Chromatograms: https://cdn.origene.com/chromatograms/mk8117_h04.zip
Restriction Sites: SgfI-MluI
Cloning Scheme:



ACCN: NM_152881

ORF Size: 1722 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 extra cellular domain of the protein 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_152881.3](#), [NP_690620.1](#)

RefSeq Size: 3883 bp

RefSeq ORF: 2823 bp

Locus ID:	5754
UniProt ID:	Q13308
Cytogenetics:	6p21.1
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
MW:	62.9 kDa
Gene Summary:	<p>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]</p>