

Product datasheet for **SC309551**

CCK4 (PTK7) (NM_152882) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCK4 (PTK7) (NM_152882) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTK7
Synonyms:	CCK-4; CCK4
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152882, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGCTGCGCGGGGATCCCCGGCCAGACCCCGCCGGTTGCCTCTGCTCAGCGTCCTG
CTGCTGCCGCTGCTGGGCGGTACCCAGACAGCCATTGTCTTCATCAAGCAGCCGTCCTCC
CAGGATGCACTGCAGGGGCGCCGGGCGCTGCTTCGCTGTGAGGTTGAGGCTCCGGGCCCCG
GTACATGTGTAAGTGGCTGCTCGATGGGGCCCTGTCCAGGACACGGAGCGGCGTTTCGCC
CAGGGCAGCAGCCTGAGCTTTGCAGCTGTGGACCGGCTGCAGGACTCTGGCACCTTCCAG
TGTGTGGCTCGGGATGATGTCACCTGGAGAAGAAGCCCGCAGTGCCAACGCCTCCTTCAAC
ATCAAATGGATTGAGGCAGTCTGTGGTCTGAAGCATCCAGCCTCGGAAGCTGAGATC
CAGCCACAGACCCAGGTCACACTTCGTTGCCACATTGATGGGCACCCTCGGCCACCTAC
CAATGGTTCGAGATGGGACCCCTTTCTGATGGTCAGAGCAACCACACAGTCAGCAGC
AAGGAGCGGAACCTGACGCTCCGGCCAGCTGGTCTGAGCATAGTGGGCTGTATTCTGCTG
TGCGCCACAGTGCTTTTGGCCAGGCTTGCAGCAGCCAGAACTTACCTTGGAGATTGCT
GATGAAAGCTTTGCCAGGGTGGTCTGGCACCCAGGACGTTGGTGTAGTAGCGAGGTATGAG
GAGGCCATGTTCCATTGCCAGTTCTCAGCCAGCCACCCCGAGCCTGCAGTGGCTCTTT
GAGGATGAGACTCCCATCACTAACCAGTGCAGCCAGTCCGCCCCACACCTCCGAGAGCCACAGTG
TTTGCCAACGGGTCTCTGCTGCTGACCCAGTCCGGCCACGCAATGCAGGGATCTACCCG
TGCATTGGCCAGGGGACAGAGGGGCCACCCATCATCCTGGAAGCCACACTTCACCTAGCA
GAGATTGAAGACATGCCGCTATTTGAGCCACGGGTGTTTACAGCTGGCAGCGAGGAGCGT
GTGACCTGCCTTCCCCCAAGGGTCTGCCAGAGCCAGCGTGTGGTGGGAGCACGCGGGA
GTCCGGCTGCCACCCATGGCAGGGTCTACCAGAAGGGCCACGAGCTGGTGTGGCCAAAT
ATTGCTGAAAGTGATGCTGGTGTCTACACTGCCACGCGGCAACCTGGCTGGTCAGCGG
AGACAGGATGTCAACACTACTGTGGCCACTGTGCCCTCCTGGCTGAAGAAGCCCCAAGAC
AGCCAGCTGGAGGAGGGCAAACCCGGCTACTTGGATTGCCTGACCCAGGCCACACAAAA
CCTACAGTTGCTGGTACAGAAACCAGATGCTCATCTCAGAGGACTCACGTTTCGAGGTC
TTCAAGAATGGGACCTTGCATCAACAGCGTGGAGGTGTATGATGGGACATGGTACCGT
TGTATGAGCAGCACCCAGCCGCGCAGCATCGAGGCGCAAGCCCGTGTCCAAGTGCTGGAA
AAGCTCAAGTTACACCACCACCCAGCCACAGCAGTGCATGGAGTTTGACAAGGAGGCC
ACGGTGCCTGTTTCAGCCACAGGCCGAGAGAAGCCCACTATTAAGTGGGAACGGGAGAT
GGGAGCAGCCTCCAGAGTGGGTGACAGACAACGCTGGGACCCTGCATTTTCCCGGGTG
ACTCGAGATGACGCTGGCACTACACTTGCATTGCCTCCAACGGGCCGAGGGCCAGATT

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CGTGCCCATGTCCAGCTCACTGTGGCAGTTTTTATCACCTTCAAAGTGGAAACCAGAGCGT
ACGACTGTGTACCAGGGCCACACAGCCCTACTGCAGTGCAGGCCAGGGGGACCCCAAG
CCGCTGATTCAGTGGAAGACAAGCCTGTGCCGGAGGAGTCGGAGGGCCCTGGCAGCCCT
CCCCCTACAAGATGATCCAGACCATTGGGTTGTCCGGTGGGTGCCGCTGTGGCCTACATC
ATTGCCGTGTGGGCCTCATGTTCTACTGCAAGAAGCGCTGCAAAGCCAAGCGGCTGCAG
AAGCAGCCCGAGGGCGAGGAGCCAGAGATGGAATGCCTCAACGGTGGGCCTTTGCAGAAC
GGCAGCCCTCAGCAGAGATCCAAGAAGAAGTGGCCTTGACCAGCTTGGGCTCCGGCCCC
GGGCCACCAACAACGCCACAGCACAAAGTATAAGATGCACTCCACAGTCTAGCCTG
CAGCCCATCACACGCTGGGGAAGAGTGAGTTTGGGGAGGTGTTCTGGCAAAGGCTCAG
GGCTTGGAGGAGGAGTGGCAGAGACCCTGGTACTTGTGAAGAGCCTGCAGAGCAAGGAT
GAGCAGCAGCAGCTGGACTTCCGGAGGGAGTTGGAGATGTTTGGGAAGCTGAACCACGCC
AACGTGGTGC GGCTCCTGGGCTGTGCCGGAGGCTGAGCCCACTACATGGTGTGGAA
TATGTGGATCTGGGAGACCTCAAGCAGTTCCTGAGGATTTCCAAGAGCAAGGATGAAAAA
TTGAAGTCACAGCCCTCAGCACCAAGCAGAAGGTGGCCCTATGCACCCAGGTAGCCCTG
GGCATGGAGCACCTGTCCAACAACCGCTTGTGCATAAGGACTTGCTGCGGTAAGTGC
CTGGTCAGTGCCAGAGACAAGTGAAGGTGTCTGCCCTGGGCTCAGCAAGGATGTGTAC
AACAGTGAGTACTACCACTTCCGCCAGGCTGGGTGCCGCTGCGCTGGATGTCCCCCGAG
GCCATCTGGAGGGTACTTCTCTACCAAGTCTGATGTCTGGGCCTTCGGTGTGCTGATG
TGGGAAGTGTTTACACATGGAGAGATGCCCATGGTGGGCAGGCAGATGATGAAGTACTG
GCAGATTTGCAGGCTGGGAAGGCTAGACTTCTCAGCCCGAGGGCTGCCCTTCCAAACTC
TATCGGCTGATGCAGCGCTGTGGGCCCTCAGCCCCAAGGACCGGCCCTCCTTCAGTGAG
ATTGCCAGCGCCTGGGAGACAGCACCCGTGGACAGCAAGCCGTGA

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- Restriction Sites:** Please inquire
- ACCN:** NM_152882
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_152882.2](#), [NP_690621.1](#)
- RefSeq Size:** 4081 bp
- RefSeq ORF:** 3045 bp
- Locus ID:** 5754

UniProt ID: [Q13308](#)

Cytogenetics: 6p21.1

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

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]

Transcript Variant: This variant (PTK7-4) uses an alternate splice site and lacks an exon in the coding region, but maintains the reading frame, compared to variant PTK7-1. The encoded isoform (d) is shorter than isoform a.