

Product datasheet for SC101238

CCK4 (PTK7) (NM_152880) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCK4 (PTK7) (NM_152880) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCK4
Synonyms:	CCK-4; CCK4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC101238 sequence for NM_152880 edited (data generated by NextGen Sequencing)

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ATGGGAGCTGCGCGGGGATCCCCGCCAGACCCCGCGGTTGCCTCTGCTCAGCGTCCTG
CTGCTGCCGCTGCTGGGCGGTACCCAGACAGCCATTGTCTTCATCAAGCAGCCGTCTCC
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CTGGGAGACAGCACCGTGGACAGCAAGCCGTGA
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Clone variation with respect to NM_152880.2

1731 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152880 unedited

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TTATTACACCCGCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA
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GACGCTCCGGCCAGCTGGTCTGAGCATAGTGGGCTGTATTCTGCTGCCCCACAGTGC
TTTTGGCCAGCTTGACGAGCCAGAACTTCAACTTGAGCATTGCTGATGAAAGCCTTGC
CCAGGTGTTGCCGGCCCCCACGAGGGGATTATCGAGGATGAGGAGGCCTGTTCTCT
TTGACAGTTTCAGCCAGCCACCCCGGAC
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3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_152880 unedited</p> <pre> NGGGAAATCATGNACCGCGCCGATTCTANGATCGATTTTTTTTTTTTTTTTTTTGTAAAA AAGCTTATTTATTGAGNACAGCGAGTGTAAAAACAAAAACAAAAACAAAAACAAAAACA AACAAAAACGACAACAATAAAAGTGTGGGGTAAGGATGGCCACCCCTCCTCATCTCCAG GGCCACCCCTACCTCCCATGCCACCCACCCACGCTGCAATTACATATAAAAGCCGCC CGTGGTGCATACAAAAAGGGCGGTTTATATAGTGTCAAAGCTCCTGAAAACCTTTCAT CTGCCAGGCACCTTAGGATGAGGAAAGGAGAGAAGGGTGGGGAAGACGTGGGTCTGGGTCA GTGTGCACAAGCCCAGAGTGGGGAGGACTCACTTGCTGTGCCTTATAATCCTGGTCTA GACCCCAAGTGGGACCAAGTGGGCAAGAGACTCATTAAACCTGTGTGCCAGAACTTGA GAATATTAAGGAACTCCCAACAAACCCAGCTCATCCCAAGCCTAGCCCTCCCAGGCAAA GTTGGCAGATGAGTGGCAGAGTTGGACCCGGTCAAGGGGAGAAGTTGAAGCCAGAAATT GGGGTTACCTGTGGCACCCACACTGTCCCTGATAGAAGAAGAGGTGCCAGGGAAAACCTGC CCAGCTCAAAGCCCTAGTCGCCAGTTTGGGTCCAAGTCAGCCTTCCAAAAGATGAGGGG TGAGAAAAGGAGAAAAGCCACGCCCTGCTCAGACCTCAGCAATGCCTGTTGCACTAGGGC AGGGCCTCAGGCCACGAGGACCAGGATCCTGCCATAAGCTGGAAGCTTTCTCTAGAA AGTCCCCCTGGCCAGGCCATCCGAGCGGCTCCCTCCTAAAGTTTGGGTCCCAGGGGCT GTTTCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_152880
Insert Size:	4700 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_152880.2 , NP_690619.1
RefSeq Size:	4153 bp

RefSeq ORF: 3093 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

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 (PTK7-2) lacks an exon in the coding region, but maintains the reading frame, compared to variant PTK7-1. The encoded isoform (b) is shorter than isoform a.