

Product datasheet for **RG223467**

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:	TurboGFP
Symbol:	PTK7
Synonyms:	CCK-4; CCK4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223467 representing NM_152882 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGCTGCGCGGGGATCCCCGGCCAGACCCCGCCGGTTGCCTCTGCTCAGCGTCTGCTGCTGCCGC
TGCTGGGCGGTACCCAGACAGCCATTGTCTTCATCAAGCAGCCGCTCTCCAGGATGCACTGCAGGGGCC
CCGGGCGTCTGCTCGCTGTGAGGTTGAGGCTCCGGGCCGGTACATGTGTACTGGCTGCTCGATGGGGCC
CCTGTCCAGGACCGGAGCGGCTTTCGCCAGGGCAGCAGCCTGAGCTTTCAGCTGTGGACCGGCTGC
AGGACTCTGGCACCTCCAGTGTGTGGCTCGGGATGATGTCAGTGGAGAAGAAGCCCGCAGTGCCAAACGC
CTCCTTCAACATCAAATGGATTGAGGCAGGTCCTGTGGTCTGAAGCATCCAGCCTCGGAAGCTGAGATC
CAGCCACAGACCCAGGTCACACTTCGTTGCCACATTGATGGGCACCCCTCGGCCACCTACCAATGTTCC
GAGATGGGACCCCTTTCTGATGGTCAGAGCAACCACACAGTCAGCAGCAAGGAGCGGAACCTGACGCT
CCGGCCAGCTGGTCTGAGCATAGTGGGCTGTATTCTGCTGCGCCACAGTGCCTTTGGCCAGGCTTGC
AGCAGCCAGAACTTACCTTGAGCATTGCTGATGAAAGCTTTGCCAGGGTGGTGTGACACCCAGGACG
TGGTAGTAGCGAGGTATGAGGAGGCCATGTTCCATTGCCAGTTCTCAGCCAGCCACCCCGAGCCTGCA
TTGGCTCTTTGAGGATGAGACTCCCATCACTAACCGCAGTCGCCCCCACACCTCCGAGAGCCACAGTG
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CATCAACAGCGTGGAGGTGATGATGGGACATGGTACCGTTGATGAGCAGCACCCAGCCGGCAGCATC



GAGGCGCAAGCCCGTGTCCAAGTCTGGAAGCTCAAGTTCACACCACCCAGCCACAGCAGTGCATGGAGTTTGACAAGGAGGCCACGGTGCCCTGTTTCAGCCACAGGCCGAGAGAAGCCCACTATTAAGTGGGACGGGCAGATGGGAGCAGCCTCCAGAGTGGGTGACAGACAACGCTGGGACCCTGCATTTGGCCGGGTACTCGAGATGACGCTGGCAACTACACTTGCATTGCCTCCAACGGGCCGAGGGCCAGATTCTGCCCCATGTCCAGCTACTGTGGCAGTTTTATCACCTTCAAAGTGAACAGAGCGTACGACTGTGTACCAGGGCCACAGCCCTACTGCAGTGCAGGGCCAGGGGACCCCAAGCCGCTGATTCAGTGGAAAGACAAGCCTGTGCCGAGGAGTCGAGGGCCCTGGCAGCCCTCCCCCTACAAGATGATCCAGACCATTGGGTGTCCGGTGGTCCGCTGTGGCTACATCATTGCCGTGCTGGCCTCATGTTCTACTGCAAGAAGCGCTGCAAAGCCAA GCGGCTGCAGAAGCAGCCGAGGGCCGAGGAGCCAGAGATGGAATGCCTCAACGGTGGGCCTTTGCAGAACGGGAGCCCTCAGCAGAGATCCAAGAAGAAGTGGCCTTGACCAGCTTGGGCTCCGGCCCCGGGCCACCAACAACGCCACAGCACAAGTGATAAGATGCACTTCCCACGGTCTAGCCTGCAGCCATCACCACGCTGGGGAAGAGTGAGTTGGGGAGGTGTTCTGGCAAAGGCTCAGGGCTTGAGGAGGGAGTGGCAGAGACCCTGTACTTGTGAAGAGCCTGCAGAGCAAGGATGAGCAGCAGCAGCTGGACTCCGGAGGGAGTTGGAGATGTGGGAAGCTGAACCACGCCAACGTGGTCCGGCTCCTGGGGCTGTCCGGGAGGCTGAGCCCCACTACATGGTCTGGAATATGTGGATCTGGGAGACCTCAAGCAGTTCCTGAGGATTTCCAAGAGCAAGGATGAAAA TTGAAGTACAGCCCTCAGACCAAGCAGAAGGTGGCCCTATGCACCCAGGTAGCCCTGGGCATGGAGCACCTGTCCAACAACCGCTTTGTGCATAAGGACTTGGCTGCGCGTAACTGCCTGGTCAAGTCCAGAGACAAGTGAAGGTGCTGCCCTGGGCCTCAGCAAAGATGTGTACAACAGTGAGTACTACCACTCCGCCAGGCC TGGGTGCCGCTGCGCTGGATGTCCCCGAGGCCATCCTGGAGGGTGACTTCTCTACCAAGTCTGATGTCTGGCCCTTCGGTGTGCTGATGTGGAAAGTGTACACATGGAGAGATGCCCATGGTGGCAGGCAGATGATGAAGTACTGGCAGATTTGCAGGCTGGGAAGGCTAGACTTCTCAGCCGAGGGCTGCCCTTCCAACTC TATCGGCTGATGCAGCGCTGTGGGCCCTCAGCCCAAGGACCGCCCTCCTTCAGTGAAGTGGCAGCCCTGGGAGACAGCACCGTGGACAGCAAGCCG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG223467 representing NM_152882
 Red=Cloning site Green=Tags(s)

MGAARSPARPRRLPLLSVLLLPLLGTTQTAIVFIKQPSSQDALQRRALLRCEVEAPGPVHVYWLDDGA PVQDTERRFQAQSSLSFAAVDRLQDSGTFQCVARDDVTGEEARSANASFNKWIIEAGPVVLKHPASEAEI QPQTQVTLRCHIDGHRPTYQWFRDGTPLSDGQSNHTVSSKERNLTLRPAGPEHSGLYSCAHSAFGQAC SSQNFTLSIADESFARVVLAPQDVVARYEEMFHCQFSAQPPPSLQWLFEDETPITNRSRPPHLRRATV FANGSLLLTQVRPRNAGIYRCIGQGQRGPPIIIEATLHLAEIEDMPLFEPVFTAGSEERVTCCLPKGLP EPSVWWEHAGVRLPTHGRVYQKGHELVLANIAESDAGVYTCHAANLAGQRRQDVNITVATVPSWLKPKQD SQLEEGKPGYLDCLTQATPKPTVWYRNQMLISEDSEFEVFKNGTLRINSVEVDGTWYRCMSSTPAGSI EAQARVQVLEKLFPPPQPQCMEFDKEATVPCSATGREKPTIKWERADGSSLPEWVTDNAGTLHFARV TRDDAGNYTCIASNGPQQIRAHVQLTVAVFITFKVEPERTTVYQGHALLQCEAQGDPKPLIQWKDKPV PEESEGGSPPPYKMIQTIIGLSVGAAYIIAVLGLMFYCKKRCKAKRLQKQPEGEEPEMECLNGGPLQN GQPSAEIQEEVALTSLGSGPAATNKRHSTSDKMHFPRSSLQPIITLTKSEFGEVFLAKAQGLEEVAETL VLVKSLQSKDEQQQLDFRRELEMFGLNHNANVRLGLCREAEPHYMVLEYVDLGLKQFLRISKSKDEK LKSQPLSTKQKVALCTQVALGMEHLNRRFVHKDLAARNCLVSAQRQVKVSALGLSKDVYNSYYHFRQA WVPLRWMSPEAILEGDFSTKSDVWAFVLMWEVFTHEMPHGGQADDEVLADLQAGKARLPQPEGCP SKLYRLMQRWALSPKDRPSFSEIASALGDSTVDSKP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<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_152882.4
RefSeq Size:	4105 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]