

Product datasheet for **SC331467**

MCK10 (DDR1) (NM_001202523) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCK10 (DDR1) (NM_001202523) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCK10
Synonyms:	CAK; CD167; DDR; EDDR1; HGK2; MCK10; NEP; NTRK4; PTK3; PTK3A; RTK6; TRKE
Vector:	pCMV6-Entry (PS100001)



[View online »](#)

Fully Sequenced ORF: >SC331467 representing NM_001202523.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGTCACTGCCGAGATGCTGCCCCACCCCTTAGGCCGAGGGATCAGGAGCTATGGGACCAGAGGCC
CTGTCACTTTACTGCTGCTCTTGGTGGCAAGTGGAGATGCTGACATGAAGGGACATTTTGATCCT
GCCAAGTGGCCCTATGCCCTGGGCATGCAGGACCGGACCATCCCAGACAGTGACATCTCTGCTCCAGC
TCCTGGTCAGATTCCACTGCCGCCGCCACAGCAGGTTGGAGAGCAGTGACGGGGATGGGGCCTGGTGC
CCCGCAGGGTCGGTGTTTCCCAAGGAGGAGGAGTACTTGCAGGTGGATCTACAACGACTGCACCTGGTG
GCTCTGGTGGGCACCCAGGGACGCATGCCGGGGCCTGGGCAAGGAGTTCTCCCGAGACTACCGCTG
CGTTACTCCCGGGATGGTCGCCGCTGGATGGGCTGGAAGGACCGCTGGGGTCAGGAGGTGATCTCAGGC
AATGAGGACCTGAGGGAGTGGTCTGAAGGACCTTGGGCCCCCATGGTTGCCGACTGGTTCGCTTC
TACCCCGGGCTGACCGGGTCATGAGCGTCTGTCTGCGGGTAGAGCTCTATGGCTGCCTCTGGAGGGAT
GGACTCCTGTCTTACACCGCCCCTGTGGGCAGACAATGATTTTATCTGAGGCCGTGTACCTCAACGAC
TCCACCTATGACGGACATACCGTGGCGGACTGCAGTATGGGGTCTGGCCAGCTGGCAGATGGTGTG
GTGGGGCTGGATGACTTTAGGAAGAGTCAGGAGCTGCGGGTCTGGCCAGGCTATGACTATGTGGATGG
AGCAACCACAGCTTCTCCAGTGGCTATGTGGAGATGGAGTTTGGTTTACCAGGCTGAGGGCCTCCAG
GCTATGCAGTCCACTGTAACAACATGCACACGCTGGGAGCCCGTCTGCCTGGCGGGGTGGAATGTCGC
TTCCGGCTGGCCCTGCCATGGCCTGGGAGGGGAGCCATGCGCCACAACCTAGGGGGCAACCTGGGG
GACCCAGAGCCCGGGCTGTCTCAGTGCCCTTGGCGGCCGTGTGGCTCGCTTTCTGCAGTGGCGCTTC
CTCTTGGCGGGCCCTGGTTACTCTTACAGGAAATCTCCTTCTCTGATGTGGTGAACAATTCCTCT
CCGGCACTGGGAGGCACCTTCCCGCCAGCCCCCTGGTGGCCGCTGGCCACCTCCCACCAACTTCAGC
AGCTTGGAGCTGGAGCCAGAGGCCAGCAGCCCTGGCCAAGGCCGAGGGGAGCCCGACCCATCCTC
ATCGGCTGCCTGGTGGCCATCATCTGCTCTCTGCTCATCTTGCCTCATGCTCTGGCGGCTGCAC
TGGCGCAGGCTCCTCAGCAAGGCTGAACGGAGGGTGTGGAAAGAGGAGCTGACGGTTCACCTCTCTGTC
CCTGGGGACACTATCCTCATCAACAACCGCCAGGTCCTAGAGAGCCACCCCGTACCAGGAGCCCGG
CCTCGTGGGAATCCGCCCACTCCGCTCCCTGTGTCCCAATGGCTCTGCCTACAGTGGGGACTATATG
GAGCCTGAGAAGCCAGGCGCCCCGCTTCTGCCCCACCTCCCAGAACAGCGTCCCCATTATGCCGAG
GCTGACATTGTTACCCTGCAGGGCGTACCAGGGGCAACACCTATGCTGTGCCTGCACTGCCCCAGGG
GCAGTCGGGGATGGGCCCCCAGAGTGGATTTCCCTCGATCTCGACTCCGCTTCAAGGAGAAGCTTGGC
GAGGGCCAGTTTGGGAGGTGCACCTGTGTGAGGTCGACAGCCCTCAAGATCTGGTTAGTCTTGATTC
CCCCTTAATGTGGTAAGGGACACCCTTTGCTGGTAGCTGTCAAGATCTACGGCCAGATGCCACCAAG
AATGCCAGGAATGATTTCTGAAAGAGGTGAAGATCATGTGAGGCTCAAGGACCCAAACATCATTCCG
CTGCTGGGCGTGTGTGTGACAGGACGACCCCTCTGCATGATTACTGACTACATGGAGAACGGCGACCTC
AACCAGTTCCTCAGTGCCACCAGCTGGAGGACAAGGCAGCCGAGGGGGCCCTGGGGACGGGACGGCT
GCGCAGGGGCCACCATCAGTACCCAATGCTGCTGCATGTGGCAGCCAGATCGCTCCGGCATGCGC
TATCTGGCCACACTCAACTTTGTACATCGGGACCTGGCCACGCGGAACCTAGTGGGAAAATTTTC
ACCATCAAAATCGCAGACTTTGGCATGAGCCGGAACCTCTATGCTGGGACTATTACCGTGTGACGGC
CGGGCAGTGTGCCATCCGCTGGATGGCTGGGAGTGCATCCTCATGGGGAAGTTCACGACTGCGAGT
CAGCTGTGGCCCTTTGGTGTGACCCTGTGGGAGGTGCTGATGCTCTGTAGGGCCAGCCCTTTGGGCAG
CTCACCGACGAGCAGGTATCGAGAACGCGGGGAGTTCTTCCGGGACCAGGGCCGGCAGGTGTACCTG
TCCCGGCCGCTCCCTGCCCGCAGGCTATATGAGCTGATGCTTCGGTGTGGAGCCGGGAGTCTGAG
CAGCGACCACCCTTTCCAGCTGCATCGGTTCTGGCAGAGGATGCACTCAACACGGTGTGA
  
```

Restriction Sites: SgfI-MluI
ACCN: NM_001202523
Insert Size: 2685 bp

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).
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_001202523.1
RefSeq Size:	3801 bp
RefSeq ORF:	2685 bp
Locus ID:	780
UniProt ID:	Q08345
Cytogenetics:	6p21.33
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
MW:	99.1 kDa
Gene Summary:	<p>Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors with homology to Dictyostelium discoideum protein discoidin I in their extracellular domain, and that are activated by various types of collagen. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011]</p> <p>Transcript Variant: This variant (6) contains an alternate 5' terminal exon compared to variant 1. This results in translation initiation from an in-frame upstream start codon, and a longer isoform (6) with a distinct N-terminus compared to isoform 1.</p>