

Product datasheet for **SC128202**

MCK10 (DDR1) (NM_013994) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCK10 (DDR1) (NM_013994) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCK10
Synonyms:	CAK; CD167; DDR; EDDR1; HGK2; MCK10; NEP; NTRK4; PTK3; PTK3A; RTK6; TRKE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_013994, the custom clone sequence may differ by one or more nucleotides

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ATGGGACCAGAGGCCCTGTCATCTTTACTGCTGCTGCTCTTGGTGGCAAGTGGAGATGCTGACATGAAGG
GACATTTTTGATCCTGCCAAGTGCCGCTATGCCCTGGGCATGCAGGACCGACCATCCCAGACAGTGACAT
CTCTGCTTCCAGTCTCTGGTCAGATTCCACTGCCGCCGCCACAGCAGGTTGGAGAGCAGTGACGGGGAT
GGGGCCTGGTGCCCGCAGGGTCGGTGTTCCCAAGGAGGAGGAGTACTTGCAGGTGGATCTACAACGAC
TGCACCTGGTGGCTCTGGTGGGCACCCAGGGACGGCATGCCGGGGCCTGGGCAAGGAGTCTCCCGGAG
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TTCGTTCTACCCCGGGCTGACCGGGTCATGAGCGTCTGTCTGCGGGTAGAGCTCTATGGCTGCCTCTG
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AACGACTCCACCTATGACGGACATACCGTGGGCGGACTGCAGTATGGGGTCTGGCCAGCTGGCAGATG
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ATGGAGCAACCACAGTCTCCAGTGGCTATGTGGAGATGGAGTTTGGAGTTTGGAGTTTGGAGGCTTTC
CAGGCTATGCAGGTCCACTGTAACAACATGCACACGCTGGGAGCCCGTCTGCCTGGCGGGGTGGAATGTC
GCTTCCGGCGTGGCCCTGCCATGGCCTGGGAGGGGAGCCATGCCCCACAACCTAGGGGGCAACCTGGG
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CGGCACTGGGAGGCACCTTCCGCCAGCCCTGGTGGCCGCTGGCCACCTCCCACTTCCAGCAG
CTTGGAGCTGGAGCCAGAGGCCAGCAGCCGTGGCAAGGCCGAGGGGAGCCCGACCCCATCTCATC
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GCCTCCTTCTGGCCACTTACGCCGTCCCCCTCGAGGCCCGGGCCCCCACACCCGCTGGGCCAAACC
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CCTCCCCAGAACAGCGTCCCCATTATGCCGAGGCTGACATTGTTACCCTGCAGGGCGTCAACGGGGCA
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AGCCCTCAAGATCTGGTTAGTCTTGATTTCCCTTAATGTGCGTAAGGGACACCCCTTGTGTTAGCTG
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GAGGTGCTGATGCTCTGTAGGGCCAGCCCTTGGGCAGCTCACCGACGAGCAGGTGCATCGAGAACGCGG
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TGAGCTGATGCTTGGTGTGGAGCCGGGAGTCTGAGCAGCGACCACCTTTTCCAGCTGCATCGGTTCT
CTGGCAGAGGATGCACTCAACACGGTGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013994 unedited
 GGGGAAGTTCACATTTGTAACGACTCATATAGGCGGCCGCAATTCGCACGAGGCCCGA
 GGGATCAGGAGCTATGGGACCAGAGGCCCTGTCTTTACTGTCTGTCTTTGGTGGC
 AAGTGGAGATGCTGACATGAAGGGACATTTTATCCTGCCAAGTGCCGCTATGCCCTGG
 CATGCAGGACCGGACCATCCCAGACAGTGACATCTGTCTCCAGCTCCTGGTCAGATTC
 CACTGCCGCCGCCACAGCAGGTTGGAGAGCAGTGACGGGGATGGGGCCTGGTCCCCCG
 AGGGTCGGTGTTCCTCAAGGAGGAGGACTTTGCAGGTGGATCTACAACGACTCCACCT
 GGTGGCTCTGGTGGCACCCAGGACGGCATGCCGGGGCCTGGGCAAGGAGTTCTCCC
 GAGCTACCGGCTGCGTTACTCCCGGGATGGTCGCCGCTGGATGGGCTGGAAGACCCTG
 GGGTCAGGAGGTGATCTCAGGCAATGAGGACCCTGAGGGAGTGGTCTGAAGGACCTTGG
 GCCCCCCATGGTTGCCGACTGGTTCGCTTCTACCCCGGGCTGACCGGGTCATGAGTGT
 CTGTCTGCGGGTAGAGCTCTATGGCTGCCTCTGGAGGGATGGACTCCTGTCTTACACCG
 CCCTGTGGGGCAGACAATGTATTTATCTGAGGCCGTGTACCTCAACGACTCCACCTATGA
 CGGACATACCGTGGGCGGACTGCAGTATGGGGTCTGGGCCAGCTGGCANATGGTGTGGT
 GGGGCTGGATGACTTTAGGAAAGAGTCAGAGCTCGGGTCTGGGCAGGCTATGACTATGT
 GGAATGGAGCAACACAGCTTTCTCAGTGGCTATGTGGGAGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013994 unedited
 CGCCGACTATATGGNNGGATGGTCGAACTCTCCGTGGNCNCAGGTNATGAGTCACTGGT
 GGNAGGGTGTACAGGGAATGCCACCCGGGATCTGTTCCAGGAAAAGCTATGACCGCGGCC
 GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGTGGAAAACCAACCTTTATTATTA
 CCTGCCTATTGCATGGGATTAATAATGCCTCAAGCTAGGTCCATATATTAGTGTAAAAAT
 CTGTGTCTCTCCCCCAAATGTACAAACCCCAAGTGATTATATAAAAAATCAATGTGGCA
 GCTACACTAGAGATGTTCAACCCCAAGGCTATGGGCCGTTGCTCCCTCTTCCCCCAAT
 CCCTATATTTACTTCACATAAACGTATACGCTTAGAGAATTTCTATCTACAAAACGACG
 GTGGGAAGTGGGGTGACTGAGGGCTGGGGCGGGGCTACCCCAAGTCCACTGTTTCATG
 TGATGGACGAGGAATAAGCCCAAGCTGAGGACAAGTACAGGAGCACGCACTAGGAAACAT
 TTTCTCTCCTTCTTGTCTCTCGCCCCAGATTCTCATCCACTGGGGTCCAGTGTGTG
 ACACGGAGAGAGAAGCTGGACCGCATCCACCTCTCCAGGAATCAGTGTGTCCAGTGGG
 GCCCAGTGTNNCATGGGCCATGTGCAAGTGTCTATCCTATATTTCTCCCCACCCTTCCC
 CACGGATCGCTAGAGGCAGGTGGAGATGATCCNTCCACAGAACCAGCTTGGTGGGTACA
 GGGGCCTTCGTGTTGAGTGCATACTCTGCCAGAACTATGCAACTGGGAAAAGGTGGT
 GCTGGTAAACTCCCCGGTTCAGCACCCAACTTTGGTATATAGGCCCTGCGGGCAGGC
 AGCTGCCCGGACC

Restriction Sites:

Please inquire

ACCN:

NM_013994

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_013994.2 , NP_054700.2
RefSeq Size:	3678 bp
RefSeq ORF:	2760 bp
Locus ID:	780
UniProt ID:	Q08345
Cytogenetics:	6p21.33
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
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 (3) contains an additional in-frame coding exon, and uses an alternate in-frame acceptor splice site at one of the coding exons compared to variant 1. This results in the longest isoform (3, also known as DDR1c) with additional protein segments not found in isoform 1.</p>