

Product datasheet for **SC110272**

CILK1 (NM_016513) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CILK1 (NM_016513) Human Untagged Clone
Tag:	Tag Free
Symbol:	CILK1
Synonyms:	ECO; EJM10; hICK; ICK; LCK2; MRK
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_016513 edited
TTTTGGAAATATGTATTTGGGAGACAGTCACGTCTATTGAATACCTTGTGCTGGTGCTG
CCATCGAAAAATCTGGTTACTCTGGGGAGGACTGCTACCACTGCAGAACTGAACCACT
TCGGCCGTGAGATGAGTGTCCGGCCTGAGCAGGCACACCATGAATAGATACACAACAATC
AGGCAGCTCGGGGATGGAACCTACGGTCCGTCTGCTGGGAAGAAGCATTGAGTCTGGG
GAGCTGATCGCTATTAATAAAGTAAAGAAAGTAAATTTTATCTGGGAGGAATGCATGAAC
CTTCGGGAGGTTAAGTCTTTAAAGAAGCTCAACCATGCCAATGTAGTCAAATTAAGAA
GTTATCAGGGAAAATGATCATCTTTATTTTATCTTCGAGTACATGAAGGAAAATCTTTAC
CAGCTCATTAAAGAGAGAATAAGTTGTTTCTGAGTCTGCTATAAGGAATATCATGTAT
CAGATATTACAAGGACTCGCATTATTCCAAAACACGGCTTCTTTCATCGAGACTTAAAG
CCTGAGAACCTCCTGTCATGGGACCAGAACTTGTGAAAATTGCAGACTTTGGTTTGGCC
CGAGAAAACGATCAAAACCTCCATATACAGATTATGTATCTACCAGATGGTACAGGGCT
CCAGAAGTACTCCTGAGGTCTACCAACTACAGCTCCCCATTGACGTCTGGGCGGTGGG
TGCATCATGGCAGAAGTTTACACCCTCAGGCCACTTCCCTGGAGCCAGTGAAATTGAC
ACAATATTCAAAATTTGCCAAGTCTGGGGACACCAAAAAGACTGACTGGCCTGAAGGC
TATCAACTTTCAAGTGAATGAACCTCCGTTGGCCACAGTGTGTACCCAATAACTTAAAG
ACCTTGATTCCCAATGCTAGCAGTGAAGCAGTCCAGCTCCTGAGAGACATGCTTCAGTGG
GATCCCAAGAAACGACCAACAGCTAGTCAGGCACTTCGATATCCTTACTTCCAAGTTGGA
CACCCACTAGGCAGCACACAAAAACCTTCAGGATTCAGAAAAACCACAGAAAGGCATC
CTGGAAAAGGCAGGCCACCTCCTTATATTAAGCCAGTCCCACCTGCCAGCCACCAGCC
AAGCCACACACGAATTTCTTACGACAGCATCAAGCCAGCCAGCCCCCTCTGCATCTC
ACGTACCCTACAAGCAGAGGTCTCCAGGACAGATCACCAAGCCATCTCCAGGAGGAC
AAGCCAAGCCCGTTGCTTTTCCCATCCCTCCACAACAAGCATCCACAGTCGAAAAATCACA
GCTGGCCTGGAGCACAAAATGGTGAGATAAAGCCAAAGAGTAGGAGAAGGTGGGGTCTT
ATTTCCAGGTCAACAAAGGATTCAGATGATTGGGCTGACTTGGATTGACTTGGATTTCAGT
CCATCCCTCAGCAGGATTGACCTGAAAAACAAGAAAAGACAGAGTGATGACACTCTCTGC
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CCCACCCAGAGTCATATCAGCGGCGAGACAGCCACCCTGAGATCTGCAGCCAAGCAG
CACTATTTGAAGCACTCTCGATACTTGCCTGGGATCAGTATAAGAAATGGCATACTCTCG
AATCCAGGCAAGGAATTTATTCCACCTAATCCATGGTCTAGTTCTGGCTTGTCTGAAAA
TCTTCAGGACAATGTCAGTAATCAGCAAAGTAAATTCAGTTGGTTCCAGCTCTACAAGT
TCTAGTGGACTGACTGGAACCTATGTCCCTTCTTTCTGAAAAAAGAAATCGGTTCTGCT
ATGCAGAGGGTACACCTAGCACCTATTCCAGACCCTTCCCTGGTTATTCTCCCTGAAG
GCCATGAGACCTCATCTGGGCGACCACTTCTCCACACCCAGCCTAGAAGCACTCCTGGG
TTGATACCACGGCCTCCAGCCGCCAGCCAGTGCATGGCCGGACAGACTGGGCTTCCAAG
TACGCATCTCGGCGATGACTGTCTGCCTTGGTGATGAATCTTCTCCTAGGGAGAAGCAGG
ATACTTTCCCTCAGCTGACTGGTGTCTACCTGCAAGATGTGCAGAGGGCATAAAAAGCAA
ATCAACTTTTATAGTTATCTTCTGAACTAAGACATGCAATATCTTTTTTAAAGTTT
TTTTTTAAAATATTGATTTGAATGCAGTAGGCTTTTTTTGTATAAAATTTTTATTCTAA
AACTGGGTCCCATTTTTTCTTAAACAACAGATTTTGTATATATGGATTATGTTTTAGC
ATTTTATACAGTCAACTTTGTAATGAACTTTTTA
    
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016513 unedited</p> <pre> CCCCAGTTGCCTCGNAAAAACGGTTTCACNCTGGGGNAGNATGCTACCACTGCAGACTGA ACCACTTCGGCCGTGANATGATGTCCGGCCTGAGCAGGCACACCATGAATAGATACACAA CAATCAGGCAGCTCGGGGATGGAACCTACGGTTCCTGCTGCTGGGAAGAAGCATTGAGT CTGGGGAGCTGATCGCTATTAATAAAGAAAAGAAAATTTTATCCTGGGAGGAATGCA TGAACCTTCGGGAGGTTAAGTCTTTAAAGAAGCTCAACCATGCCAATGTAGTCAAATTA AAGAAGTTATCAGGGAAAATGATCATCTTTATTTTATCTTCGAGTACATGAAGGAAAATC TTTACCAGCTCATTAAAGAGAGAAAATAAGTTGTTTCTGAGTCTGCTATAAGGAATATCA TGTATCAGATATTACAAGGACTCGCATTATTCCAAAACACGGCTTCTTTTCATCGAGACT TAAAGCCTGAGAACCTCCTCTGCATGGGACCAGAACTTGTGAAAATTGCAGACTTTGGTT TGGCCCGAGAAAACGATCAAAACCTCCATATACAGATTATGTATCTACCAGATGGTACA GGGCTCCAGAAGTACTCCTGAGGTCTACCAACTACAGCTCCCCATTGACGTCTGGGCGG TGGGCTGCATCATGGCAGAAGTTTACACCCTCAGGCCACTTCCCTGGAGCCAGTGAAA TTGACACAATATTCAAAATTTGCCAAGTCTGGGGACACCAAAAAAGACTGACTGGCCTG AAGGCTATCAACTTTCAAGTGAATGAACCTCCGTTGGCCACAGTGTGTACCCAATAACT TAAAGACCTTGATTCCCAATGCTAGCAGTGAAGCAGTCCAGCTCCTGAGAGACATGCTTC AGTGG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016513 unedited</p> <pre> ACACTGTGTACCGCGGCCCGCTTTCNANGATCGAGTTTTTTTTCTTTTTTTTTCTTAA ACTTCAACTTTATTTGGACCAGGAAATTTTTCTTACATAAAGGTTGACATGTTTTAAACA CCTTAGGACAAAATATTTAAAAAGCAACATTTTTTATTTTTCAGAAGGGTCTTGCTTAAGTG GTTTTCTGAATCTTCTCGTTATTATGAATATGTGCTTTATAAATAAATATATTGTCGGT TACTCCATTGTAATCAAATCAGCTGACTAATTGCTATCTGTACTGAGTTATCTGAGATCA GAAGACTTGATGCAGGTCATTTAAAATTCACATTAGCACAGTGTCTATGAGAAATTGATA ATACAGATTAATGTGATATTTACCTCTAGTTTGTTCCTAATGGCTTCCATGAGAAGGT CCTCACAATAAATATATAACAGTACAGTACATTTGTTTGGAAATCGTAAAAATAATTCT ACAAATTAGCTCCATATATTATGTTGCTACAGTATGGTTAAATGATATAAAAAAATTAG TATGTCAAACATCTTCTTATAAACATATTGCTTTTGGTCATACACTGAACTGAAATGTAC AGCAAAAATTCCTTTTTTCTCCTCCTGAATGGCACAACAAATGGCTTGATGGTAGGGA AATGCTACTTCATGAGAAAGCATGGTGCCATCAACTCCAACAGTACCTGTATTAGCACT CAAAAAATAAATAATTTCTGTGTGTCTTGGATGGATACAAATTTTTGAAAACCTCCAGA AGATGACACAGTGTACTTTATTAGATGTATATGGTCCTTTAGGCAGGAGATACTTTAAA AATTATTTGAAAATCAAGTTTTCTCCTCACTAAATCCTATCCCACATGGGCCTGGGTGAG GCCTTGGGAAATTAAGGGAATTTTTTGGTAATTGAACAACCTGTCAGGATAGGTTTTTT GCCCAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016513
Insert Size:	3800 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_016513.3 , NP_057597.2
RefSeq Size:	6228 bp
RefSeq ORF:	1899 bp
Locus ID:	22858
UniProt ID:	Q9UPZ9
Cytogenetics:	6p12.1
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>Eukaryotic protein kinases are enzymes that belong to a very extensive family of proteins which share a conserved catalytic core common with both serine/threonine and tyrosine protein kinases. This gene encodes an intestinal serine/threonine kinase harboring a dual phosphorylation site found in mitogen-activating protein (MAP) kinases. The protein localizes to the intestinal crypt region and is thought to be important in intestinal epithelial cell proliferation and differentiation. Alternative splicing has been observed at this locus and two variants, encoding the same isoform, have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) has an additional exon in the 5' UTR, as compared to variant 1. Variants 1 and 2 encode the same protein.</p>