

Product datasheet for SC114874

SLK (NM_014720) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLK (NM_014720) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLK
Synonyms:	bA16H23.1; LOSK; se20-9; STK2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_014720 edited
 ATGTCCTTAGGAGAACTGGGCGACGGAGCCTTTGGGAAAGTGTACAAGGCCAGAATAAA
 GAGACCAGTGTTTTAGCTGCTGCAAAAGTGATTGACACTAAATCTGAAGAAGAAGCTGAA
 GATTACATGGTAGAGATTGACATATTAGCATCTTGTGATCACCCAAATATAGTCAAGCTT
 CTAGATGCCTTCTATTATGAGAACAATCTTTGGATCCTCATTGAATTTTGTGCAGGTGGA
 GCAGTAGATGCTGTGATGCTTGAACCTTGAGAGACCATTAAGTGAAGTCCCAATACAAGTA
 GTTTGCAAGCAGACTTTAGATGCATTGAACTACTTACATGATAATAAGATCATCCACAGA
 GATCTGAAGGCTGGCAACATTCTTTACCTTAGATGGAGATATCAAATTGGCGGATTTT
 GGAGTATCAGCTAAAAACAGGAGACAATCAAAGAAGAGATTCCTTTATTGGTACACCA
 TATTGGATGGCTCCTGAAGTAGTCATGTGTGAAACATCTAAGGACAGACCCTATGACTAC
 AAAGCTGATGTTGGTCCCTGGGTATCACTTTAATAGAAATGGCTGAGATAGAACCACCT
 CATCATGAATTAATCCAATGCGAGTGCTGCTAAAAATAGCAAAATCTGAGCCACCTACA
 TTAGCACAGCCATCCAGATGGTCTTCAAATTTTAAAGACTTTCTAAAGAAATGCTTAGAA
 AAGAATGTGGATGCCAGGTGGACTACATCTCAGCTGCTGCAGCATCCCTTTGTTACTGTT
 GATTCCAACAAACCCATCCGAGAATTGATTGCAGAGGCGAAGGCTGAAGTAAACAGAAGAA
 GTTGAAGATGGCAAGAGGAAGATGAAGAGGAGGAAACAGAAAATTTCTCTGCCAATACCT
 GCAAGTAAGCGTGCATCTTCTGACCTTAGTATCGCCAGCTCTGAAGAAGATAAACTTTCA
 CAAAATGCTTGTATTTTGGAGTCTGTCTCAGAAAAACAGAACGTAGTAACTCTGAAGAT
 AAACCTCAACAGCAAAAATCTTAATGAAAAACCCACCCTGATGAACCTGAAAAGGCTGTG
 GAGGATATTAATGAACATATTACCGATGCTCAGTTAGAAGCAATGACTGAACTCCATGAC
 AGAACAGCAGTAATCAAGGAGAATGAAAGAGAGAAGAGGCCCAAGCTTAAAAATCTGCCT
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 ATAATGATAACCTTAGAAAACAAATATTGAACATAATCTAAAAATCTGAGGAAGAAAAGGAT
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 GCAGTTGATAGTGAAGTTGGGCTTACAAAGGAAGACACCCAAGAGAAAATGGGGGAAGAC
 GACAAAATCAAAAAGATGTGATCAGCAATACAAGTGTGATAGGAACATGTGAGGCA



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GCAGATGTGGCTCAGAAAGTGGATGAAGACAGTCTGAGGATACGCAGAGTAATGATGGG
 AAAGAAGTGGTCGAAGTAGGCCAGAAATTAATTAATAAGCCCATGGTGGGTCTGAGGCT
 GGTGGTACTAAGGAAGTTCTATTAAGAAATAGTTGAAATGAATGAAATAGAAGAAGGT
 AAAAAAAGGAACAAGCAATAAACAGTTTCAAGAAACATAATGGACATCAATGAGGAACCA
 GGAACAACCTGAAGGTGAAGAAATCACTGAGTCAAGTAGCACTGAAGAAATGGAGGTGAGA
 AGTGTGGTGGCTGATACTGACCAAAAGGCTTTAGGAAGTGAAGTTCAGGATGCTTCTAAA
 GTCACACTCAGATAGATAAAGAGAAAAAGAAATTCAGTGTCAATTAATAAGAGAGCT
 GAAGTTACTGTAGTTTACAGCCCACTGAACCTCAGCCTGTTCTAATACCCAGTATTAAT
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 ACAGAGCAAATGCAGCGTTACAATCAAAGACTTATTGAGGAATTGAAAAACAGACAGACT
 CAAGAAAGAGCAAGACTGCCAAGATTCAGCGCAGTGAAGCCAAGACTCGAATGGCCATG
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 AAACAGTTTGTGCACAAGAAGAAAAGAGGCAGAAAAATGAGAGAATGGCTCAGCATCAG
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 CATCAGCTGCAGAATGAAAAATGCCACTTGTGGTTGAGCATGAGACTCAGAACTGAAG
 GAGTTAGATGAGGAACATAGCCAAGAATTAAGGAGTGGAGAGAGAAATTGAGACCTAGG
 AAAAAGACACTGGAAGAAGAGTTTGCAGGAACTACAGGAACAGGAAGTATTCTTTAAA
 ATGACTGGGGAGTCTGAATGCCTTAACCCATCAACACAGAGCCGGATTTCCAAATTTTAT
 CCTATTCCAGCTTGCAATTCACCGGATCATAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014720 unedited
 GCGCTCAAATTTGTAATACGACTCACTATAGGGCGGCCGCAATTCGCACGAGGGGAG
 ACAGGCGGCGGCGGCGGCCANACCCGAGGGGACGCGGGGCTTGCGCCGCGGAG
 CGGACGCGGCGGAGGAGACCCTAGGCTCGCGGCCGAGGCGGGAGGGCTCGGCTTCTCG
 ACTGCCCGCTCCGAGGCCGCGGCCGCTTCTCTCTCCAGAGTGGCCGCGCCCTGGA
 GACTCGCCGTGACACGGGCTAAGCCGCGCGCGGGAGTCTGACCGCTCGGACCCGTC
 GGATCAGGCCGGGTGGGAGCGAGCTTGCGGCAGGTGCCGCTCCCGGAGGGTGGGCCGGA
 GGCGAGGCGCCACCAGCGGCTCGCGGCCGGCTCGGCGGAGGGGCGCTCGCGCAGC
 ACCCCACCGGGGCGGAGCCGGGTGCGCGCCCGCTTCTCCCGGACCGCCCGGCC
 GGAGCTGCGGGGCGGAGGGACCGCGCCCGCCGCGCCAGCCGGGCTCGCGCGGGAGA
 TCGAGGGAAGAGAACTTGCCTTTATTGTTTTAGTCTTAAGTGAAGGAACTCTGTG
 TTGGGAGGAAAAATGCTCTTCAATTTCCCTAAGATCTTCAAGTTGGGGAGCGAAGA
 ATAAAAAAGCAATTCGACCAGTGAAGAGGGACCTGAACCCCAAAACCTTTGGGGG
 GATTATAGGAAGACTTGGCGAACGGACCTTTGGTAAAGTGTACCAGGCCCCACACTTAA
 GAAGCCAGTGTCTTCTGCTGCAAAAAGGATTTGACTCTAATTCTGAAAAAAACCT
 GAAGAATTCCTGTGGGAAATTGACCTGTCAACCACCTTGGCATCCCCAAATAATCCAA
 CCTCTCATATTCTCTATTATAAGAAACACCGTGTTT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014720 unedited AAAGCTGTGNACCGCGGCCGCTATCTAGNGATCAGTTTTTTTTTTTTTTTTTTGATTA AAAATAACTTTATTTTCATGTGTCAATCCCATGATTGAAAAGACATGTTGCTCTCAAGT AGATAAGAGGCATAATCTTAAACAAAATCTTTCTGAAAATTTAGCTTATGAACTCATT CACTGCAAACAGAGAAGGAGCACAAAAAGCTGCAGCCACATTGAAACCTGGCAAACAC TCTCCGCCAAAATTAGTAGCAGGAATGTTAAAGCTTTATCAAAAACATGTCAGCAACGGA ATAGCAACAATACAGCCATTAAGTGTGTCCTCAACTTAAGAAAAGCATTTAAAGAAT CACCCCATTTCTATAAAAATCATTCTCAGAAAAGAATTGTTAATCAAAAGACTATTAG AACTGGAAGTCTCTTTCACTTCAGTTCTAGATTTTCTTTAATCAACAATATCTCTAG TTAATACTTGGACAGAATTTGGCTTCTCAGAAGAGTCTTTGTCTTTAAGCACAGTGTGG AATGGGAAAAAGTGTATAGTTACAAGGAACTAGAAGAGTACAAAAAATAGTCACTTCT GAAACTCGCTGATGCTCAAGAAATCAGAGACCCTTCATTAAGGTGGGTCTCATATGCCTG AGAGCTTTGTGCTTGANGAAGTATGACTTAGAGGTAGCTCTGGTTCTGGTAATTTATATT TAATTATAATTTGCTGTATCCTGTCACAAGAGAGTTCTAATATTTTCAGCANAGTAAAAG CATTTACATTTTTCCTTACCCACCCTATAGCTTCCCATAGAAAAAGATAAGAAAAAG CTTAATGTGACTCCACATAGGATAGCAGCTAATTCAGCAATTCGCACTGTTGGGTGNT GACAGGACTATNAAAAGCAGCCTATTGCCCCAGCTGTATGACA
Restriction Sites:	NotI-NotI
ACCN:	NM_014720
Insert Size:	7000 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_014720.1 , NP_055535.1
RefSeq Size:	5988 bp
RefSeq ORF:	3459 bp
Locus ID:	9748
UniProt ID:	Q9H2G2
Cytogenetics:	10q24.33-q25.1
Domains:	pkinaase
Protein Families:	Druggable Genome, Protein Kinase

Protein Pathways: Oocyte meiosis

Gene Summary: Mediates apoptosis and actin stress fiber dissolution.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.