

Product datasheet for RC220128

SLK (NM_014720) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLK (NM_014720) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLK
Synonyms:	bA16H23.1; LOSK; se20-9; STK2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220128 representing NM_014720 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTTCTTCAATTTCCGTAAGATCTTCAAGTTGGGGAGCGAGAAGAAGAAGCAGTACGAACACG
TGAAGAGGGACCTGAACCCGAAGACTTTTGGGAGATTATAGGAGAACTGGGCGACGGAGCCTTTGGGAA
AGTGTACAAGGCCAGAATAAAGAGACCAGTGTTTTAGCTGCTGCAAAAGTGATTGACACTAAATCTGAA
GAAGAAGTGAAGATTACATGGTAGAGATTGACATATTAGCATCTTGATCACCCAAATATAGTCAAGC
TTCTAGATGCCTTCTATTATGAGAACAATCTTTGGATCCTCATTGAATTTGTGCAGGTGGAGCAGTAGA
TGCTGTGATGCTTGAAGTGAAGAGACCATAACTGAGTCCCAAAATACAAGTAGTTTGAAGCAGACTTTA
GATGCATTGAAGTACTTACATGATAATAAGATCATCCACAGAGATCTGAAGGCTGGCAACATTCTCTTTA
CCTTAGATGGAGATATCAAATTTGGCGGATTTTGGAGTATCAGCTAAAAACACGAGGACAATTCAAAGAAG
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CTCATCATGAATTAATCCAATGCGAGTGCTGCTAAAAATAGCAAAATCTGAGCCACCTACATTAGCACA
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ATTAAGATACTATTTTGCAAACAGTAGATTTAGTTTCTCAAGAGACTGGAGAAAAAGAGCAAATATTC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220128 representing NM_014720
 Red=Cloning site Green=Tags(s)

MSFFNFRKIFKLGSEKKKKQYEHVSRDLNPEDFWEIIGELGDGAFGKVYKAQNKETSVLAAAKVIDTKSE
 EELEDYMVEIDILASCDHPNIVKLLDAFYENNLWILIEFCAGGAVDAVMLELERPLTESQIQVCKQTL
 DALNYLHDNKIIHRDLKAGNILFLDGDIKLADFGVSAKNTRTIQRRDSFIGTPYWMapevVMCETSKDR
 PYDYKADVWSLGITLIEMAEIEPPHHELNPmrvLLKIAKSEPPTLAQPSRWSSNFKDFLKKCLEKNVDAR
 WTTSQLQHFPFVTVDSNKPIRELIAEAKAEVTEEVEDGKEEEDDEEETENSLPIPASKRASSDLASISSEE
 DKLSQNACILESVSEKTERSNSDKLNSKILNEKPTTDEPEKAVEDINEHITDAQLEAMTELHDRTAVIK
 ENERERKPKLENLPDTEQETVDINSVSEGKNNIMITLETNIEHNLKSEEEKDQEKQMFENKLIKSEE
 IKDTILQTVDLVSQETGEKEANIQAVDSEVGLTKEDTQEKLGEDDKTQKDVISNTSDVIGTCEAADVAQK
 VDESDAEDTQSNKGVEVVGQKLINPKMVGPEAGGTKEVPIKEIVEMNEIEEGKNEQAINSENIMDI
 NEEPGTTEGEEITESSSTEEMEVRSVADTDQKALGSEVQDASKVTTQIDKEKKEIPVSIKKEPEVTVVS
 QPTEPQPVLIPININSDSGENKEEIGSLSKTETILPPESENPKENDNDSGTGSTADTSSIDLNLSSSF
 LSKTKDSGSI SLQETRRQKTKLKKTRKFI VDGVEVSVTTSKIVTDSDSKTEELRFLRRQELREL RFLQKE
 EQRAQQQLNSKLQQQREQIFRRFEQEMMSKKRQYDQE IENLEKQKQTIERLEQEHTNRLRDEAKRIKGE
 QEKELSKFQNMMLKNRKEVINVEKAPKELRKELMKRRKEELAQSQAHQEQEFVQKQQQELDGSLLKIIQ
 QQKAELANIERECLNNKQLMRAREAAIWELEERHLQEKHQLLQQLKDQYFMQRHQLLKRHEKETE QMQ
 RYNQRLIEELKNRQTQERARLPKIQRSEAKTRMAMFKSLRINSTATPDQDRDKIKQFAAQEEKRQKNER
 MAQHQKHENQMRDLQLQCEANVRELHQLQNEKCHLLVEHETQKLKELDEEHSQELKEWREKLRPRKKTLE
 EEFARKLQEVEVFFKMTGESECLNPSTQSRISKFYPIPSLHSTGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

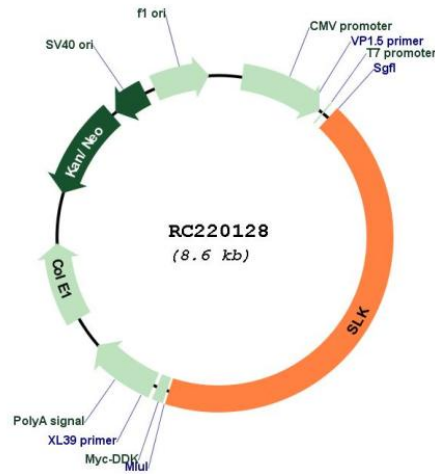
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_014720

ORF Size: 3705 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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_014720.4](#)

RefSeq Size: 5629 bp

RefSeq ORF: 3708 bp

Locus ID: 9748

UniProt ID: [Q9H2G2](#)

Cytogenetics:	10q24.33-q25.1
Domains:	pkinase
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Oocyte meiosis
MW:	142.5 kDa
Gene Summary:	Mediates apoptosis and actin stress fiber dissolution.[UniProtKB/Swiss-Prot Function]