

Product datasheet for **SC100965**

STK11IP (NM_052902) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK11IP (NM_052902) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK11IP
Synonyms:	LIP1; LKB1IP; STK11IP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100965 sequence for NM_052902 edited (data generated by NextGen Sequencing)

ATGTTTCGGCTCCGCCCCAGCGTCCCGTGGCCATGACGACCGCTCAGAGGGACTCCCTG
 TTGTGGAAGCTCGCGGGTTGCTGCGGGAGTCCGGGGATGTGGTCTGTCTGGCTGTAGC
 ACCCTGAGCCTGCTGACTCCACACTGCAACAGCTGAACCACGTATTTGAGCTGCACCTG
 GGGCCATGGGGCCTGGCCAGACAGGCTTTGTGGCTCTGCCCTCCCATCTGCCGACTCC
 CCTGTTATTCTTCAGTTCTCAGTTTCTCTCGATGTGCTGCAGAAAACACTTTCACTCAAG
 CTGGTCCATGTTGCTGGTCTGGCCCCACAGGGCCCATCAAGATTTCCCTTCAAATCC
 CTTGCGCACCTGGAGCTCCGAGGTGTTCCCTCCACTGTCTGCATGGCCTCCGAGGCATC
 TACTCCAGCTGGAGACCCTGATTTGCAGCAGGAGCCTCCAGGCATTAGAGGAGCTCCTC
 TCAGCCTGCGGCGGCGACTTCTGCTCTGCCCTCCCTTGGCTGGCTCTGCTTTCTGCCAAC
 TTCAGCTACAATGCACTGACCGCCTTAGACAGCTCCCTGCGCCTCTTGTACAGCTCTGCGT
 TTCTTGAACTAAGCCACAATCAAGTCCAGGACTGTGAGGGATTCTGATGGATTGTGT
 GAGCTCCACCATCTGGACATCTCCTATAATCGCCTGCATTTGGTGCCAAGAATGGGACCC
 TCAGGGGCTGCTCTGGGGTCTGATACTGCGAGGCAATGAGCTTCGGAGCCTGCATGGC
 CTAGAGCAGCTGAGGAATCTGCGGCACCTGGATTTGGCATACAACCTGCTGGAAGGACAC
 CGGGAGCTGTACCACTGTGGCTGCTGGCTGAGCTCCGCAAGCTCTACCTGGAGGGGAAC
 CCTCTTTGGTTCCACCCTGAGCACCGAGCAGCCACTGCCAGTACTTGTACCCCCGGGCC
 AGGGATGCTGCTACTGGCTTCTTCTCGATGGCAAGGTCTTGCTACTGACAGATTTTCAG
 ACTCACACATCCTTGGGGCTCAGCCCCATGGGCCACCTTTGCCCTGGCCAGTGGGGAGT
 ACTCCTGAAACCTCAGGTGGCCCTGACCTGAGTGACAGCCTCTCCTCAGGGGGTGTGTG
 ACCCAGCCCTGCTTCATAAGGTTAAGAGCCGAGTCCGTGTGAGGCGGGCAAGCATCTCT
 GAACCCAGTGATACGGACCCGGAGCCCCGAACCTCTGAACCCCTCTCCGGCTGGATGGTTC
 GTGCAGCAGCACCCGGAGCTGGAGCTCATGAGCAGCTTCCGGGAACGGTTCGGCCGCAAC
 TGGCTGCAGTACAGGAGTCACTGGAGCCCTCCGGAACCCCTCTGCCGGCCACCCCACT
 ACTTCTGCACCCAGTGCACCTCCAGCCAGCTCCAGGGCCCCGACACTGCACCCAGACCT
 TCACCCCGCAGGAGGAAGCCAGAGGCCCCAGGAGTCAACACAGAAAATGTCAGAGGAG


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GTCAGGGCGGAGCCACAGGAGGAGGAAGAGGAGAAGGAGGGGAAGGAGGAGAAGGAGGAG
GGGGAGATGGTGGAAACAGGGAGAAGAGGAGGCAGGAGAGGAGGAAGAAGAGGAGCAGGAC
CAGAAGGAAGTGGAAAGCGGAACCTCTGTCGCCCCCTTGTGGTGTGTCCCCTGGAGGGGCT
GAGGGCGTACGGGGCAGGGAATGCTTTCTCAGGGTCACTTCTGCCACCTGTTTGAGGTG
GAACTCCAAGCAGCTCGACCTTGGAGCGACTGGAGCTCCAGAGTCTGGAGGCAGCTGAG
ATAGAGCCGGAGGCCAGGCCAGAGGTGCGCCAGGCCACGGGCTCAGATCTGCTCCCT
GGAGCCCCCATCCTCAGTCTGCGCTTCTCTACATCTGCCCTGACCGGCAGTTGCGTCGC
TATTTGGTGTGGAGCCTGATGCCACGCAGCTGTCCAGGAGCTGCTTGCCGTGTTGACC
CCAGTCACCAATGTGGCTCGGGAACAGCTTGGGGAGGCCAGGGACCTCCTGCTGGGTAGA
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GACCATGGTAGTTGGAGCCTCAGTCCCCCCCCTGAGCGCTGTGGCCTCCGCTCTGTGGAC
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CTGCCCCGAGATGCCAGGCATTGCCGGGCTTCTAGAGGAGCTCCTTGATGTCTTGCA
TCTCTGCCCCCTGCCTGGAGGAAGTGTGTGAGTCCACAGAGGAGGAGGTACCCCCCAG
CACCAGCTGTGGCCATTGCTGGAAAAAGACTCATCCTTGAGGCTCGCCAGTTCTTTAC
CTTCGGGCGTTCTGTTGAAGGCCCTTCCACCTGCCTCGTATCCCTGTTGCTGACTCCG
TCCACCCTGTTCTGTTAGATGAGGATGCTGCAGGTCCTCCGCGCAGAGCCCTCTCTCCA
GCAGCATCTGGCGAAGCCTCTGAGAAGGTGCCTCCCTCGGGGCGGGCCCTGCTGTGCGT
GTCAGGGAGCAGCAGCCACTCAGCAGCCTGAGCTCCGTGCTGCTTACCCTCAGCCCT
GAGGACTTGCGGCTGCTCTTCTACGATGAGGTGTCCGGCTGGAGAGCTTTTGGGCACTC
CGTGTGGTGTGTCAGGAGCAGCTGACAGCCCTGCTTGCCTGGATCCGGGAACCATGGGAG
GAGCTGTTTTCCATCGGACTCCGACAGTGATCCAAGAGGCGCTGGCCCTTGACCGATGA

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Clone variation with respect to NM_052902.2
2255 c=>t

**5' Read Nucleotide
Sequence:**

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>OriGene 5' read for NM_052902 unedited
CAGCATTTTGAATACGACTCACTTATAGGGCGGCCGGAATTGCGACGAGGGCAGCTGA
GCTGGTAGGAGGACCAGACGGGGATGTTGCGCTCCGCCCCCAGCGTCCCGTGGCCATGA
CGACCGCTCAGAGGGACTCCCTGTTGTGGAAGCTCGCGGGTTGCTGCGGGAGTCCGGGG
ATGTGGTCCTGTCTGGCTGTAGCACCTGAGCCTGCTGACTCCCACACTGCAACAGCTGA
ACCACGTATTTGAGCTGCACCTGGGGCCATGGGGCCCTGGCCAGACAGGCTTTGTGGCTC
TGCCCTCCCATCCTGCCGACTCCCTGTTATTCTTCAGCTTCAGTTTCTCTTCGATGTGC
TGCAGAAAACACTTTCACTCAAGCTGGTCCATGTTGCTGGTCTGGCCCCACAGGGCCCA
TCAAGATTTTCCCTTCAAATCCCTTCGGCACCTGGAGCTCCGAGGTGTTCCCTCCACT
GTCTGCATGGCCTCCGAGGCATCTACTCCAGCTGGAGACCCTGATTTGCAGCAGGAGCC
TCCAGGCATTAGAGGAGCTCCTCTCAGCCTGCGGCGGCGACTTCTGCTCTGCCCTCCCTT
GGCTGGCTCTGCTTTCTGCCAACTTCAGCTACAATGCACTGACCGCCTTAGACAGCTCCC
TGCGCCTCTTGTGAGCTCTGCGTTTCTTGACCCTAGCCACATCAAGTCCAGGACTGTGAG
GNATTNCTGATGGATNTGTGTGAGCTNCACCATCTGGACATCTNCTATNATCGCCTGCAT
TTGGTGCCAGAATGGGACCTCANGGGCTGCTCTGGGGGTCTGATACTGCGAAGCCATG
AGCTTNCNGAGCCTGCATGGCCTANAGCAGCTGAGGAATCTGCCGCACCTGGATTTGCAT
ACAACCTGCTGNAGGACACCCGNACTGCACCACTGTGGTGTGGCTGAGCTCCAGCTCTA
CTGGAGGGAACCTTTT

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_052902 unedited <pre> TCTATGTACCGCGCCGATTCTAGACGAATTTTTTCTTTTTTTTGGAGTTGAAACAAC TTTATTGATACCTGAGAAAAATGCAGGAAAAATATTCCTCCTGACCAGGTGGCCTGTCCC CTGAGGCCAGATCATTCTCTCGCTCTCCCTTAAGCCCTGGGTCAATTTGGGACCTCACTG GCCAGCACCCAGAGGCTGAAGACATCCACATTTAGAGCCTGGAAGCCAGACCCAGAGACC AGGAGAGGGAATGTCTACAGCGTGGCTCCTGAGGTCAGGGCCAAGGTCAGCGTGGGACCC TCATCGGTCAAGGGCCAGCGCCTCTTGGATCACTGTCCGGAGTCCGATGGAAAACAGCTC CTCCCATGGTTCCCGGATCCAGGCAAGCAGGGCTGTGAGCTGCTCCTGACACACCACAG GAGTGCCCAAAAGCTCTCCAGCCGGGACACCTCATCGTAGAAGAGCAGCCGCAAGTCCTC AGGGGCTGAGCGGTAGAGCAGCACGGAGCTCAGGCTGCTGAGTGGCTGCTGCTCCCTGAC ACGCACAGCAGGGCCCGGCCCGAGGGAGGCACCTTCTCAGAGGCTTCGCCAGATGCTGC TGGAGGAGAGGGCTCTGCCGGGGACCCTGCAGCATCCTCATCTAACAGGAACAGGGTGGA CGGAGTCAGCAACAGGGATACGAGGCANGTGGAAGGGCCTTCAACCCAGAACGCCGAAG GTAGAAGAACTGGCGAGCCTCAAGGATGAGTCTTTTTCCAGCAATGGCCAGAGCCGGTG CTGGGGGTGACCTNCTCCTCTGTGGCACTGACACAGTTCCTNCCAGCAGGGGGCAGAGA CTGCAAGACATCAAGGACTCCTTCTAGAAGGCCCGGGCATGCCTGGCATTTCGGGGCAGC AGACACAAGGGCCGCCCAACTGCCCACTTAGCCCCAAGCTTTGCTCCTGCCAGGCCAC TTTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_052902
Insert Size:	4500 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:	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:	<u>NM_052902.1, NP_443134.1</u>
RefSeq Size:	3623 bp
RefSeq ORF:	3300 bp
Locus ID:	114790
UniProt ID:	<u>Q8N1F8</u>
Cytogenetics:	2q35
Domains:	LRR

Protein Families: Druggable Genome

Gene Summary: May regulate STK11/LKB1 function by controlling its subcellular localization.[UniProtKB/Swiss-Prot Function]