

Product datasheet for **SC116431**

Snf1lk2 (SIK2) (NM_015191) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snf1lk2 (SIK2) (NM_015191) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIK2
Synonyms:	LOH11CR1I; QIK; SIK-2; SNF1LK2
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_015191 edited
ATGGTCATGGCGGATGGCCCGAGGCACTTGCAGCGGGCCGGTCCGGTGGGGTCTAC
GACATCGAGGGCACGCTGGGCAAGGGCAACTTCGCTGTGGTGAAGCTGGGGCGGCACCG
ATCACCAAGACGGAGGTGGCAATAAAAAAATCGATAAGTCTCAGCTGGATGCAGTGAAC
CTTGAGAAAATCTACCGAGAAGTACAAAATGAAAATGTTAGACCACCCCTCACATAATC
AACTTTATCAGGTAATGGAGACCAAAAGTATGTTGTACCTTGTGACAGAATATGCCAAA
AATGGAGAAAATTTTTGACTATCTTGCTAATCATGGCCGGTTAAATGAGTCTGAAGCCAGG
CGAAAATCTGGCAAATCCTGTCTGTGATTATTGTCATGGTCGGAAGATTGTGCAC
CGTGACCTCAAAGCTGAAAATCTCCTGTGGATAACAACATGAATATCAAATAGCAGAT
TTCGGTTTTGAAAATTTCTTTAAAAGTGGTGAAGTGTGGCAACATGGTGTGGCAGCCCC
CCTTATGCAGCCCAGAAGTCTTTGAAGGGCAGCAGTATGAAGGACCACAGCTGGACATC
TGGAGTATGGGAGTTGTTCTTTATGTCCTTGTCTGTGGAGCTCTGCCCTTGTGAGCCG
ACTCTTCAAATTTGAGGCAGAGGGTCTGGAAGGAAGATTCCGGATTCCGTATTTTCATG
TCAGAAGATTGCGAGCACCTTATCCGAAGGATGTTGGTCTAGACCCATCCAACGGCTA
ACCATAGCCCAAATCAAGGAGCATAAATGGATGCTCATAGAAGTTCCTGTCCAGAGACCT
GTTCTCTATCCACAAGAGCAAGAAAATGAGCCATCCATCGGGGAGTTAATGAGCAGGTT
CTGCGACTGATGCACAGCCTTGGAAATAGATCAGCAGAAAACCATTGAGTCTTTGCAGAAC
AAGAGCTATAACCACTTTGCTGCCATTTATTTCTTGTGGTGGAGCGCCTGAAATCACAT
CGGAGCAGTTTCCAGTGGAGCAGAGACTTGATGGCCGCCAGCGTCGGCTAGCACCATT
GCTGAGCAAACAGTTGCCAAGGCACAGACTGTGGGGCTCCCAAGTACCATTGCATTCACCG
AACATGAGGCTGCTGCGATCTGCCCTCCTCCCCAGGCATCCAACGTGGAGGCCCTTTTCA
TTTCCAGCATCTGGCTGTCAGGCGGAAGCTGCATTGATGGAAGAAGAGTGTGTGGACACT
CCAAAGGTCAATGGCTGTCTGCTTGACCTGTGCCCTCCTGTCTGGTGGGAAGGATGC
CAGTCACTGCCAGCAACATGATGGAGACTCCATTGACGAAGGCTGGAGACAGAAGGA
GAGGCCGAGGAAGACCCCGCTCATGCTTTGAGGCATTTCAAGTCCACACGAGCGGGCAG
AGACGGCACACTGTGCAGAAGTGACCAATCAACTGGTCGTGATGCCTGGGGCAGGGAAA
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TCTGTTCCAGGGACCTGAACCTTCTGGAAGACAACCCTTCCCTTAAGGACATCATGTTA
GCCAATCAGCCTTCAACCCGCATGACATCTCCCTTATAAGCCTGAGACCTACCAACCCA
GCCATGCAGGCTCTGAGCTCCAGAAACGAGAGGTCCACAACAGGTCTCCAGTGAAGTTC
AGAGAGGGCCGAGAGCATCAGATACCTCCCTCACCAGGGAATTGTAGCATTAGACAA
CATCTTCAGAATCTGGCTAGAACCAAAGGAATTCTAGAGTTGAACAAAGTGCAGTTGTTG
TATGAACAAATAGGACCCGAGGAGACCCCTAACCTGGCGCCGGCGCTCCTCAGTCCAG
GACCTTGCTAGCAGCTGCCCTCAGGAAGAAGTTTCTCAGCAGCAGGAAAGCGTCTCCACT
CTCCCTGCCAGCGTGCATCCCCAGCTGTCCCACGGCAGAGCCTGGAGACCCAGTACCTG
CAGCACAGACTCCAGAAGCCAGCCTTCTGTCAAAGGCCAGAACACCTGTGAGCTTTAT
TGCAAAGAACCACCGGGAGCCTTGAGCAGCAGCTGCAGGAACATAGGCTCCAGCAGAAG
CGACTCTTTCTTCAAGCAGTCTCAACTGCAGGCCTATTTAATCAGATGCAGATAGCA
GAGAGCTCCTACCCACAGCCAAGTCAAGCAGCTGCCCTTCCCCGCCAGGAGACTCCACCG
CCTTCTCAGCAGGCCCCACCGTTGACCTGACCCAGCCCTGAGCCCCGTCTGGAGCCT
TCTCCGAGCAGATGCAATACAGCCCTTCTCAGCCAGTACCAAGAGATGCAGTTCAG
CCCCTGCCCTCCACTTCCGGTCCCCGGGCTGCTCCTCTGCCCACGCAGCTACAGCAG
CAGCAGCCGCCACCGCCACCACCCCTCCACCACCACGACAGCCAGGAGCTGCCCCAGCC
CCCTTACAGTTCTCCTATCAGACTTGTGAGCTGCCAAGCGCTGCTTCCCCTGCGCCAGAC
TATCCCACTCCCTGTGAGTATCCTGTGGATGGAGCCAGCAGAGCGACCTAACGGGGCCA
GACTGTCCAGAAGCCAGGACTGCAAGAGGCCCTCCAGCTACGACCCACTAGCCCTC
TCTGAGCTACCTGGACTTTTGATTGTGAAATGCTAGACGCTGTGGATCCACAACAAC
GGGTATGTCCTGGTGAATTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015191 unedited
 NGGTCAAATTTGTATACGATCATATAGGCGGCCGCGNAATTCGCACGAGGCGGCGGCGCG
 CGCCTGGCTGGGCCCTGCGGAGCGGGAGGGAAGGAGCGAAGGAGCAAGCGGA
 GCGGCCGTCGCCAAGCCAAGCCGCGCTGCCAACCTCCCGCCCGCCGCGCTCCTGTCC
 GCCGTGTCTAGCAGCGGGGCCAGCATGGTCATGGCGGATGGCCGAGGCACTTGACGCG
 CGGGCCGGTCCGGGTGGGTTCTACGACATCGAGGGCACGCTGGCAAGGGCAACTTCGC
 TGTGGTGAAGCTGGGGCGGCACCGGATCACCAAGACGGAGGTGGCAATAAAAAATAATCGA
 TAAGTCTCAGCTGGATGCAGTGAACCTTGAGAAAATCTACCGAGAAGTACAAATAATGAA
 AATGTTAGACCACCTCACATAATCAAACCTTTATCAGGTAATGGAGACCAAAAGTATGTT
 GTACCTTGTGACAGAATATGCCAAAAATGGAGAAAATTTTACTATCTTGCTAATCATGG
 CCGGTTAAATGAGTCTGAAGCCAGGCGAAAATTCTGGCAAATCCTGTCTGCTGTTGATTA
 TTGTCATGGTCGGAAGATTGTGCACCGTGACCTCAAAGCTGAAAATCTCCTGCTGGATAA
 CAACATGAATATCAAAAAGCAGATTTCCGGTTNTGGAAAATTTCTTAAAAGTGGTGAAC
 GCTGGCAACATGGGTGTGGCAGCCCCCTTATGCAGCCCAGAAGCTTTGAAGGGCAGC
 AGTATGAAGGACCACAGCTGGAATCTGGATATGGGGAAGNTGTTCTTATGTGCCTGNCC
 TGNNGAGCTCTGCCTTTTATGATGGACCGACTCTCCATTTGANGCCAAAGGTTCTTGAAA
 GGAAAATCCGGGATTGCAATTCATGGCAGNAAGATGCAAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015191 unedited
 CTGGGACCGCAGCCGCATATTATAGTCGAGTTTTTTTTTCTTTTTTTTGTAAAGGTTGG
 TTAATTTTTATTAGTAATATAATGTTTGGCAGATGATCTGCTTAAATGGTTAACACATCT
 GTGGTCTTTCTTTGAATATTGCTGCAATACTTGAACATTTTATTACAAGTCAAACTTT
 AACGAAATTAAGAATGCTGATTCCACATGGTGGAAAACCTATCTCTGAAGTGACTTTGGA
 TTTAGCATTGACATAAATGGAACTGTTGGTTTCTACAGAAAAGAAAGATTAAAGCATG
 ATCTGGGGGAAAGGCACCGCACTACCACTTACATGGGACAGAAAAGTTCATTTATCATG
 TCCTTAAATCTCTAAGCCCTATATGAACTGTCCAAATATACAAAGCTCAATAAATAC
 TAGCAACATATAGTGAAGGCCAAAGTACTTATTACATCCGAAAAGAAACACAGGTACCC
 TGGAGACCGACTGCCCGCAAGCCAGCACTGTCCACGAGAAAAGTCCGGAAGAGCCTGTCT
 TTCCTGGCCAGGCCGGCGCCCTCGAACCCCTGACCCACTGCCCTGCCTTACCGG
 GGGCGTTTTCTGTCCGTCACCTTGGGACACCCCTTGAATCTGAACATACCCCTCCAC
 CCCCCCCCCAGGCCCTTATGCCAGGGGTGGCCACCTGTTTTNCAAAGCGAACCAACG
 GGGGCTCTCGGGGCCCCACCCCGCCACCTACCGGCCCTTGAAAACCAATTTAGC
 CCCCTTTCTTTTACCGACATTCGCCACACCTTACCACCCACCCCACTCTTACCC
 CCATATCCCAACCTTAACTCTCCTTTTATCTCCCGCCAGATCCACCCAGATCTTA
 CTCCTCCACGTCACGACTCTACTATCCCTCCCCCACCACACTTACCGCCCTACC
 ACCCCCCACAACN

Restriction Sites:

NotI-NotI

ACCN:

NM_015191

Insert Size:

4730 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_015191.1 , NP_056006.1
RefSeq Size:	5694 bp
RefSeq ORF:	2781 bp
Locus ID:	23235
UniProt ID:	Q9H0K1
Cytogenetics:	11q23.1
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	Phosphorylates 'Ser-794' of IRS1 in insulin-stimulated adipocytes, potentially modulating the efficiency of insulin signal transduction. Inhibits CREB activity by phosphorylating and repressing TORCs, the CREB-specific coactivators.[UniProtKB/Swiss-Prot Function]