

Product datasheet for **SC323379**

STK23 (SRPK3) (NM_014370) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK23 (SRPK3) (NM_014370) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK23
Synonyms:	MSSK-1; MSSK1; STK23
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014370, the custom clone sequence may differ by one or more nucleotides

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ATGAGCGCCAGCACGGGCGGTGGTGGGGACAGCGGGCAGCGGGCGCAGTAGCAGCAGCTCACAGGCCT
CCTGCGGGCCCGAGTCTCGGGCTCCGAAGTACGCTGCGCACACCGGTGCCTCAGATGCTGCAGGGCCT
TCTGGGCTCCGACGACGAGGAACAGGAAGACCCCAAAGACTACTGCAAGGGCGGCTACCACCTGTGAAG
ATCGGGCAGCTGTCAATGGGCGGTACCACGTGGTGCGCAAACTGGGCTGGGGCCACTTCTCCACCGTCT
GGCTCTGCTGGGACATCCAGCGCAAGCGCTTTGTGGCCCTCAAAGTGGTGAAGAGTGCGGGGCATTACAC
GGAGACAGCTGTGGATGAGATCAAGCTCCTGAAATGTGTCCGGGACAGCGACCCAGTGACCCCAAAAGA
GAGACCATTGTCCAGCTCATTGATGACTTCAGGATCTCAGGAGTCAATGGAGTCCATGTGTGCATGGTGC
TGGAGGTGCTGGGCCACCAGCTCCTCAAATGGATCATCAAGTCCAACACCAGGGCCTGCCCGTGCCCTG
CGTGAAGAGCATCGTGAGGCAGGTGCTGCACGGCCTGGACTACCTCCACACCAAGTGCAAGATCATCCAC
ACGGACATCAAGCCCAGAACATCTTGCTGTGTGGGGACGCTTACATCAGGGCCTGGCTGCCGAGG
CCACGGAGTGGCAACAGGCAGGGGGCGCCGCCCTCCCGCTCCATAGTCAGCACTGCCCCAGGAGGT
CTTGACAGCCGGTAAGCTGTCCAAAACAAGAGGAAGAAGATGAGGCGCAACCGAAACAGCAGAAGCGG
CTGCTGGAGGAGCGGCTGCGGGACCTGCAGAGGCTGGAGGCCATGGAGGCTGCCACCCAGGCTGAGGACT
CTGGCTTGAGACTAGACGGGGGACGCGCTCCACATCCTCTTCAGGCTGTACCCCGGGGGCGCCAGAGC
AGGTCCCTCCCGAGCCTCTTCTCCCGGCCAGGGGGCGGCGTAGCCTCAGCGCGGGCTCACAGACC
TCAGGCTTCTCCGGCTCCCTCTTCTCCTGCCTCCTGTCCATCCTCTCCGGCTCGTCCAATCAGCGAG
AGACCGGGGGCCTCCTGTGCCTAGCACACCATTCCGTGCCTCGAACCTCCTGGTGAACCCCTGGAGCC
CCAAAATGCAGATAAGATCAAGATCAAGATCGCAGACCTGGGCAACGCCCTGCTGGGTGCACAAGCACTTC
ACGGAAGACATCCAGACTCGGCAGTACCGGGCCGTCGAGGTGCTGATCGGCGCGGAATACGGCCCCCGG
CAGACATCTGGAGCACAGCTGCATGGCCTTCGAGCTGGCCACTGGTACTACCTGTTCCGAGCCGATTC
TGGAGAAGACTACAGTCGTGATGAGGACCACATCGCTCACATAGTGGAGCTTCTGGGGGACATCCCCCA
GCCTTCGCCCTCTCAGGCCGCTATTCCCGGGAGTTCTTCAACCGAGAGGAGAGCTGCGGCACATCCACA
ATCTCAAGCACTGGGGCCTGTACGAGGTACTCATGAAAAGTACGAGTGGCCCTAGAGCAGGCCACACA
GTTCCAGCGCCTTCTGCTGCCATGATGGAGTACATCCCCGAAAAGCGGGCCAGTGCCGCTGACTGCCTC
CAGCACCCCTGGCTCAACCCCTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for mutant NM_014370 unedited

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ACCGCCCGTTGAGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGA
ACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACAGGCCCGCCGGGGCAC
CGGAGCTGCGGGCTGCGTGGCCGGGATGAGCGCCAGCACGGGCGGTGGTGGGGACAGCGGGCAGCGGC
GGCAGTAGCAGCAGCTCACAGGCCTCCTGCGGGCCGAGTCTCGGGCTCCGAAGTACCCCTGGCCACAC
CGGTGCCTCAGATGCTGCAGGGCCCTTCTGGGCTCCGACGACGAGGGAACAGGGAAAGACCCCAAAGAA
CTACTGCAAGGGCGGGCTACCCACCCCTGTTGAAAGAATCGGGCGACGTGGTTTCATGGGGCGGGTCCCA
CGTGGGTGGGGGCAAACTGGGCCTGGGGCCATTTTCTCCACCCGTCCTGGCTTGGCCTGGGACATCCCA
CCGCCAGGCCCTTTGGGGCCCTCATTGTTAAAAAATTCGGGCCATTTACACGAAAAGGTTTGGG
GAAAAAATTAACCCCGAAAATTTGGTCCCGAAACCCGAACCCCTGGGCCCAAAAAAAAAAAAAACA
TTTGGCCATCTATTTGGGAAATTTCCGGTTTTCCCGGGTTTTAAGGGGGCCCGGGGGCCAGGGCCC
CGAAAATCTCTCCCCCCCCCCCCCTAAAGGGTATTATAGTTGCCACTTCAACAGGGCCCTTCCCTTC
CCCCGGTAGAAAAATACTCAGGGGGCAGGGTGTGACGCTCTGGAACCCCCACCCATTTGTGCG
ATATTTTCTCCCGGAGGTATTCGCCACGAGAACTTGTGAGGGTGGGGGGATCATAATATAGGGAC
GGGTGATAGTGGCAGCCAGATGATACAGAGAGCGGGAGCCCTCTCACATGATGCTAGACTCATTCT
CTGCAAGGGAGATTG
    
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Kinase Domain Sequence:	>SC323379 kinase domain raw sequence. By performing BLASTX analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation CSCTGMGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTC AGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGGCCCGCCGGGGCACCGGAGC TGCGGGCTGCGTGGCCGGGATGAGCGCCAGCACGGCGGTGGTGGGGACAGCGCGGCAGCGGGCAGT AGCAGCAGCTCACAGGCCTCCTGCGGGCCGAGTCCTCGGGCTCC
Restriction Sites:	Please inquire
ACCN:	NM_014370
Insert Size:	2300 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).
OTI Annotation:	This kinase-deficient mutant clone was generated by created by site-directed mutagenesis from the corresponding wild-type clone. See details in "Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling." Cell. 2008 May p536-548.
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_014370.2 , NP_055185.2
RefSeq Size:	2040 bp
RefSeq ORF:	1704 bp
Locus ID:	26576
UniProt ID:	Q9UPE1
Cytogenetics:	Xq28
Protein Families:	Druggable Genome, Protein Kinase

Gene Summary:

This gene encodes a protein kinase similar to a protein kinase which is specific for the SR (serine/arginine-rich domain) family of splicing factors. A highly similar protein has been shown to play a role in muscle development in mice. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).