

Product datasheet for **SC323521**

STK22C (TSSK3) (NM_052841) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK22C (TSSK3) (NM_052841) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK22C
Synonyms:	SPOGA3; STK22C; STK22D; TSK3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC323521 sequence for NM_052841 edited (data generated by NextGen Sequencing)

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ATGGAGGACTTTCTGCTCTCCAATGGGTACCAGCTGGGCAAGACCATTGGGGAAGGGACC
TACTCAAAAGTCAAAGAAGCATTTCACAAAAACACCAAAGAAAAGTGGCAATTATGGTT
ATAGACAAGATGGGAGGGCCAGAAGAGTTTATCCAGAGATTCTCCCTCGGGAGCTCCAA
ATCGTCCGTACCCTGGACCACAAGAACATCATCCAGGTGTATGAGATGCTGGAGTCTGCC
GACGGGAAAATCTGCCTGGTGTATGGAGCTCGCTGAGGGAGGGGATGTCTTTGACTGCGTG
CTGAATGGGGGGCCACTGCCTGAAAGCCGGGCCAAGGCCCTTCCGTCAGATGGTTGAG
GCCATCCGCTACTGCCATGGCTGTGGTGTGGCCACCGGGACCTCAAATGTGAGAAGCC
TTGTTGCAGGGCTTCAACCTGAAGCTGACTGACTTTGGCTTTGCCAAGGTGTGCCAAG
TCACACCGGGAGCTGAGCCAGACCTTCTCGGGCAGTACAGCCTATGCTGCCCCCGAGGTG
CTGCAGGGCATTCCCACGATAGCAAAAAGGTGATGTCTGGAGCATGGGTGTGGTCCTG
TATGTCATGCTCTGTGCCAGCCTACCTTTTGACGACACAGACATCCCAAGATGCTGTGG
CAGCAGCAGAAGGGGGTGTCTTCCCCTCATCTGAGCATCTCGGCCGATTGCCAGGAC
CTGCTCAAGAGGCTCCTGGAACCCGATATGATCCTCCGGCCTTCAATTGAAGAAGTTAGT
TGGCATCCATGGCTAGCAAGCACTTGA
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Clone variation with respect to NM_052841.3
116 a=>t;117 a=>g



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5' Read Nucleotide Sequence:	>OriGene 5' read for mutant NM_052841 unedited ACCGCCCCGCTCTCAGCAAAGGGCGGTAGGCGCTGTACGGCTGGGAGGATCATATTATAAGCAGAGCTTC GTTTAGTTGAACCGTCAGAATCTTTGTAATACGACTCACTATAGGGCGGCCGGAATACCCGGGATCGGG GACTGGAGGCCTCTGGCCATGGCGCCTGGAGACGGGGTCGCGCAGACCCCGGACACCCGAGGGGGCGCA GCAGGCCAGGGCAACCCGCCGAGGGCGGCTCCACGCCGAGGAGCCGCGCATTCCCGGTCCACACAGAC GCGGGGAGCGCCCTCCAGGCGGGACTACAACCTCAATGCCTGGCACGGGGGGCGGGCTCGGCGGGTGAC TTAATCCCGGGCTGAGTTTTGGTGGTGGTAGTTAAGGGCAGGTAAGGGGCACTGCCCATTTTGGGCCAA GGTCCACACCGGCATCTAATCCCATTTGCCCCCGGAATTTAAAAAATGTTCTGGCCTGGTCTTCCC AAACAACCGGCGTGTGTTTCCAAACGGAAAAAGTTTTAACCCCTGGGGGGCGGCTGCGATATGAATT TCTTTGGGAAAAAAGGAACCGGGCCAAAGGGCCAAAGTGGGAATTTAAACTTCCCCTCTAAAACCCCT TTGCCCTAAAAGGGGAAATGGAAAGGGGGCCAAAAACATGGGGGATTTTTTTCGCTTCCCAGGGGG TCCCCTCGGGGCCGACACTTTGGGAAAGGGACCTCTCCTAAATTTAGAAAACACTTTTTTCCAAAAA CCCCAAAAAATGCGCCTTTTGTGTGTTAACACAATGGGGGGGCCAGAAAATTATCCCAAATTT TCCCCTCAGGAGTGCCACAATAGTCTTCTACCTGGCGACACAGACATCCTCCACTATGTATGATAATG ACGTGCAGTACTCCGAGCAGAGAACTCTCGCGTGAAGAGTAGCTCCTCTCGTGAAGAGAGAGTAGTT CTACATCACTCGCTGACATAGGAGACGCTCGTCTATACACGCACGTTAGCGCGCCGATGCTC
Kinase Domain Sequence:	>SC323521 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 CGCGMGCAAAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTC AGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATCCCGGGATCGGGGACTGGAGGCCTCTGCC CATGGCGCCTGGAGACGGGGTCGCGCAGACCCCGGACACCCGAGGGGGCGCAGCAGGCCAGGGCAACCC GCCGCGAGGCGGCTCCACGCCGAGGAGCCGCGCATTCCCGGTCC
Restriction Sites:	Please inquire
ACCN:	NM_052841
Insert Size:	1444 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_052841.3 , NP_443073.1

RefSeq Size: 1330 bp

RefSeq ORF: 807 bp

Locus ID: 81629

UniProt ID: [Q96PN8](#)

Cytogenetics: 1p35.1

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: This gene encodes a kinase expressed exclusively in the testis that is thought to play a role in either germ cell differentiation or mature sperm function. [provided by RefSeq, Jul 2008]