

## Product datasheet for **SC323391**

### STK32A (NM\_145001) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STK32A (NM_145001) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK32A
Synonyms:	YANK1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145001, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGCGAACACTTCAAGAAAACCACCAGTGGTTGATGAAAATGAAGATGTCAACTTTGACCCTTTG
AAATTTTGCGAGCCATTGGGAAAGGCAGTTTTGGGAAGGTCTGCATTGTACAGAAGAATGATACCAAGAA
GATGTACGCAATGAAGTACATGAATAAACAAAAGTGCCTGGAGCGCAATGAAGTGAGAAATGTCTTCAAG
GAACTCCAGATCATGCAGGGTCTGGAGCACCTTTCTGGTTAATTTGTGGTATTCCTTCCAAGATGAGG
AAGACATGTTTATGGTGGTGGACCTCTGCTGGGTGGAGACCTGCGTTATCACCTGCAACAGAACGTCCA
CTTCAAGGAAGAAACAGTGAAGCTCTTCATCTGTGAGCTGGTTCATGGCCCTGGACTACCTGCAGAACCAG
CGCATATTCACAGGGATATGAAGCCTGACAATATTTACTTGACGAACATGATACCTGGCTCTCCTACA
AGTCCCACTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for mutant NM_145001 unedited CCCGCCGTTGAGCAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAA CCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCAGGAGCCTTGCTCTGGAGT TCTTCTCTTAGTCCCTGTTCCCTGGATGAAAGCATCGCTCCGAGCCTCATGGGAGGAATGAAGGAAGAAT CGAGACTAGATATCCAATAAGGCTTCGGGACATGTTTTGAGCGAAGATGGGTGTTTCTGCCCGGATAGT ATAAATCGAGGATCCAGGTCTGGGCAGATTCAACCATGGGAGCGAACACTTTCAAGAAAAACCACCAGTT GTTTGATGAAAAATGAAAGATGTCAACTTTTGACCACCTTTTGAATTTTTGCCGAAGCATTGGGGAAAAAG GCAGTTTTTGGGAAAGGTCTGCATTTGTACAGAAAAATGAATACCCAAGAAGAATGTACCGCCATTG AAGTGTCACCTGAATTAACAAAAGTTGGCGTGGAGCCCAATGGAAGTTAGAAAAATGTCTCCAAGAAAC TCTCCGAAATCATGCAGGGTCTGGACCACCTTTCCCGGGTAAATTTGGGATATCCCTTCCGAAAAGAGG GAGGACAGTGTCCATGGGGGGGCCCTCGTGTGGGGAAACCCGGCTTTTACCCTGACACGAAGCGTC CATTTCAGAGAAACAGTTGGACTCTACTTTTTGGTGTGTAGGGCCCTTGCTATTCTCGAAACCAGCC ATCATTTAGGATTTGAAGCCTACCAATTAATTGACGAAATGGCCGTCCACTTACAGATTACATGTGCG AGTGCCAGAACCAGATTACTGTGGCAGCGTCATGACCTGAGTGACTCCGAAGACGCATCTCTGCCAGG TTCTGTAGCCATAATCGTGAGCGCAA
<b>Kinase Domain Sequence:</b>	>SC323391 kinase domain raw sequence. By performing <a href="#">BLASTX</a> analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation CYCTGMGCAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTC AGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCAGGAGCCTTGCTCTGGAGTTCTTC TCTTAGTCCCTGTTCCCTGGATGAAAGCATCGCTCCGAGCCTCATGGGAGGAATGAAGGAAGAATCGAGA CTAGATATCCAATAAGGCTTCGGGACATGTTTTGAGCGAAGATG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_145001
<b>Insert Size:</b>	4000 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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." <a href="#">Cell, 2008 May p536-548.</a>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_145001.1</a> , <a href="#">NP_659438.1</a>

RefSeq Size: 827 bp  
RefSeq ORF: 501 bp  
Locus ID: 202374  
UniProt ID: [Q8WU08](#)  
Cytogenetics: 5q32  
Protein Families: Druggable Genome, Protein Kinase