

Product datasheet for **SC323597**

STK38L (NM_015000) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK38L (NM_015000) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK38L
Synonyms:	NDR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC323597 sequence for NM_015000 edited (data generated by NextGen Sequencing)

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ATGGCAATGACGGCAGGGACTACAACAACCTTTCTATGAGCAACCATACCCGGGAAAGA
GTGACTGTAGCCAAGCTCACATTGGAGAATTTTATAGCAACCTAATTTTACAGCATGAA
GAGAGAGAAAACAGGCAGAGAAGAAATAGAAGTGGCCATGGAAGAAGAAGGATTAGCAGAT
GAAGAGAAAAAGTTACGTCGATCACAACACGCTCGCAAAGAAAACAGAGTTCTTACGGCTC
AAAAGGACCAGACTTGGCTTGGATGACTTTGAGTCTCTGAAAGTTATAGGAAGAGGAGCT
TTTGGAGAGGTGCGGTTGGTCCAGAAGAAAGATACAGGCCATATCTATGCAATGATGATA
TTGAGAAAAGTCTGATATGCTTGA AAAAGAGCAGGTGGCCATATCCGAGCAGAAAAGAGAT
ATTTTGGTAGAAGCAGATGGTGCCTGGTGGTGAAGATGTTTTACAGTTTTTACAGGATAAG
AGGAATCTTTATCTAATCATGGAATTTCTCCCTGGAGGTGACATGATGACATTGCTAATG
AAGAAAGACACCTTGACAGAAGAGGAAACACAGTTCTACATTTTACAGAGACTGTTCTGGCA
ATAGATGCGATCCACCAGTTGGGTTTCATCCATCGGGATATTAAGCCAGACAACCTTTTA
TTGGATGCCAAGGTCATGTA AAAATTATCTGATTTTGGTTTATGTACGGGATTAAGAAA
GCTCACAGGACTGAATTTTATAGAAATCTCACACAACCCACCAAGTGACTTCTCATT
CAGAACATGAACTCAAAGAGGAAAAGCAGAACTTGAAGAAGAACAGGAGACAACCTGGCA
TATTCCACAGTTGGGACACCAGATTACATTGCTCCAGAAGTATTATGCAGACTGGTTAC
AACAAATTGTGTGACTGGTGGTCTTTGGGAGTGATTATGTATGAAATGCTAATAGGATAT
CCACCTTTCTGCTCTGAAACACCTCAAGAAACATACAGAAAAGTGATGAACTGGAAGAA
ACTCTGGTATTTCTCCAGAGGTACCTATATCTGAGAAAGCCAAGGACTTAATTTCTCAGA
TTTTGTATTGATTCTGAAAACAGAAATTGAAATAGTGGAGTAGAAGAAATAAAGGTCAT
CCCTTTTTTGAAGGTGTCGACTGGGAGCACATAAGGAAAAGGCCAGCAGCAATCCCTATA
GAAATCAAAAAGCATTGATGATACTTCAAATTTTATGACTTCCCTGAATCTGATATTTA
CAACCATGCCAAATACCACAGAACCAGGACTACAATCCAAAGACTGGGTTTTTCTCAAT
TATACCTATAAAAAGTTTGAAGGTTGACTCAACGTGGCTCTATCCCCACCTACATGAAA
GCTGGGAAGTTATGA
    
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Clone variation with respect to NM_015000.3
 356 a=>t;993 g=>a

5' Read Nucleotide Sequence: >OriGene 5' read for mutant NM_015000 unedited

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ACCGCCCGTTTCAGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGA
ACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGCGGCCGGCTGCGGT
CCGTGCGGAGGCTGAGCCGGCCGCGGGCGGACCCGGAGGCAGTTTCCGTTACTATGGCAATGACGGCAGG
GACTACAACAACCTTTCTATGAGCAACCATACCCGGGAAAGAGTGACTGTAGCCAAGCTCACATTGGAG
AATTTTTATAGCAACCTAATTTTACAGCATGAAGAGAGAGAAAACAGGGCAGAGGAAATTAGAAGTGGG
CCATGGAAGAGGAGGATTAGCAGATGAAAGAGAAAAAGTTACGGTCCGATCACACAACCCAGGCTTCG
CCAAAGAAAACACAGAAGTTTCTTTACCGCCTCCAAAAGGGACCCAGAATTTGCCTGGGAAGGAACCTTG
AGATTCTCCTGGAAAGTTTTAGGAAGAAGGACCCTTTTGGGAAAGTGTGCGGTGTGGTGCAGAAAAGAAGA
TACACAGGCCATATCATATGCATGGTAGGATTTTGAAGTCTCGTGATATGCTGAAAAGAGAGCGTGG
GCCCTATACCCAGAACAGAGAGATATTTGGATAAAAACATAGGGCCGGGTGTGGAATATGTTAT
AACATTTTAGAGATAAGAGGACTCTTATCATACTCGGAAATTTTCTCGGAGAGAGAGATGAGACTGTGC
ATAGAGGAGAGACCTTGCGCAGAGAGAACACGTTCTATTTTCAAACGTGTGTGCATATCGCTCTCC
CATGGGTTACATCTCGGATATACGCAACCTTAATGATGTACGCAGTTGAATCGGGTGTGTACGGTAG
AAGTCACGAACGAATTAGATT
    
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Kinase Domain Sequence: >SC323597 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

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CTCGMGCATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAG
AATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGCGGCCGGCTGCGGTCCGTGCGG
AGGCTGAGCCGGCCGCGGGCGGACCCGGAGGCAGTTTCCGTTACTATGGCAATGACGGCAGGACTACAA
CAACCTTTCTATGAGCAACCATACCCGGGAAAGAGTGACTGTAG
    
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Restriction Sites:	Please inquire
ACCN:	NM_015000
Insert Size:	4700 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_015000.1 , NP_055815.1
RefSeq Size:	4725 bp
RefSeq ORF:	1395 bp
Locus ID:	23012
UniProt ID:	Q9Y2H1
Cytogenetics:	12p11.23
Domains:	pkinase
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	Involved in the regulation of structural processes in differentiating and mature neuronal cells. [UniProtKB/Swiss-Prot Function]