

Product datasheet for **SC115629**

STK38 (NM_007271) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK38 (NM_007271) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK38
Synonyms:	NDR; NDR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_007271 edited
 ATGGCAATGACAGGCTCAACACCTTGCTCATCCATGAGTAACACACAAAGGAAAGGGTG
 ACAATGACCAAAGTGACACTGGAGAATTTTATAGCAACCTTATCGCTCAACATGAAGAA
 CGAGAAATGAGACAAAAGAAGTTAGAAAAGGTGATGGAAGAAGAAGGCCTAAAAGATGAG
 GAGAAACGACTCCGGAGATCAGCACATGCTCGGAAGGAAACAGAGTTTCTCGTTTGAAG
 AGAACAAGACTTGGATTGGAAGATTTTGTGAGTCTTAAAAGTAATAGGCAGAGGAGCATT
 GGTGAGGTACGGCTTGTTCAGAAGAAAGATACGGGACATGTGTATGCAATGAAAACTC
 CGTAAAGCAGATATGCTTAAAAAGAGCAGGTTGGCCACATTCGTGCGGAGCGTGACATT
 CTAGTGGAGGCAGACAGTTTGTGGGTTGTGAAAATGTTCTATAGTTTTTCAGGATAAGCTA
 AACCTCTACCTAATCATGGAGTTCCTGCCTGGAGGGGACATGATGACCTTGTGATGAAA
 AAAGACTCTGACAGAAGAGGAGACTCAGTTTTATATAGCAGAAACAGTATTAGCCATA
 GACTCTATTCACCAACTTGGATTTCACACAGAGACATCAAAACCAGACAACCTTCTTTTG
 GACAGCAAGGGCCATGTGAACTTTCTGACTTTGGTCTTTGCACAGGACTGAAAAAGCA
 CATAGGACAGAATTTTATAGGAATCTGAACCACAGCCTCCCCAGTGATTTCACTTTCCAG
 AACATGAATTCAAAAGGAAAGCAGAAACCTGGAAAAGAAATAGACGTCAGCTAGCCTTC
 TCCACAGTAGGCACTCCTGACTACATTGCTCCTGAGGTGTTTATGCAGACCGGGTACAAC
 AAGCTCTGTGATTGGTGGTTCGCTTGGGGTATCATGTATGAGATGCTCATCGGCTACCCA
 CCTTTCTGTTCTGAGACCCCTCAAGAGACATATAAGAAGGTGATGAACTGAAAGAAACT
 TTGACTTTTCTCCAGAAGTTCCCATCTCTGAGAAAGCCAAGGATCTAATTTTGGAGTTC
 TGCTGTGAATGGGAACATAGAATTGGAGCTCCTGGAGTTGAGGAAATAAAAAGTAACTCT
 TTTTTTGAAGGCGTTGACTGGGAACATATCAGAGAGAGACCTGCTGCAATATCTATTGAA
 ATCAAAAGCATTGATGATACCTCAAACCTCGATGAGTTTCCAGAATCTGATATTCTTAAG
 CCAACAGTGGCCACAAGTAATCATCCTGAGACTGACTACAAGAACAAGACTGGGTCTTC
 ATCAATTACACGTACAAGCGCTTTGAGGGCCTGACTGCAAGGGGGCAATACCTTCTAC
 ATGAAAGCAGCAAAATAG



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007271 unedited
 TAAGGTCAATTTTGTAAACCACTCTATAGGCGGCCGCGACATCGGCACGAGTGCTGGGC
 CTCTGCCATGGCAATGACAGGCTCAACACCTTGCTCATCCATGAGTAACCAACAAAAGGA
 AAGGGTGACAATGACCAAAGTGACACTGNGAGAATTTTATAGCAACCTTATCGTCAAC
 ATGAAGAACGAGAAATGAGACAAAAGAAGTTAGAAAAGGTGATGGAAGAAGAAGGCCTAA
 AAGATGAGGAGAAAACGACTCCGGAGATCAGCACATGCTCGGAAGGAAAACAGAGTTTCTTC
 GTTTGAAGAGAACAAAGACTTGGATTGGAAGATTTTGGTCCCTTAAAAGTAATAGGCAGAG
 GAGCATTGGTGAGGTACGGCTTGTTCAGAAGAAAGATACGGGACATGTGTATGCAATGA
 AAATACTCCGTAAGCAGATATGCTTGAAAAAGAGCAGGTTGGCCACATTCGTGCGGAGC
 GTGACATTCTAGTGGAGGACAGACTTTGTGGTTGTGAAAATGTTCTATAGTTTTTCAGG
 ATAAGCTAAACCTCTACCTAATCATGGAGTTCTGCTGGAGGGGACATGATGACCTTGT
 TGATGAAAAAGACACTCTGACAGAAGAGGAGACTCAGTTTTATATAGCAGAAACAGTAT
 TAGCCATAGACTCTATCCACCACTTGGATTCATCCACAGAGACATCAAACAGACAACC
 TTCTTTTGGACAGCAAGGCCATGTGAACTTTCTGACTTTGGTCTTTGCACAGGACTGA
 NAAAAGCAGATAGACAGAATTTTATAGGAATCTGAACCACAGCCTCCCCAGTGATTTTAC
 TTTCCAGAACATGAATCCAAAAGNAAAGCAGAACCTGGAAAAGAATAGACGTCAGCTAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007271 unedited
 CCCAAATCGGGGGCGTTTCATCTTTGTTTAAAGTTAAAAGTGGGCATTTTCCCCTGAAA
 CAAATCATCCCCTGGCCACTCCCCAACACAAAAGACTCTCCAACACCGCAGTTCTTCTC
 TTTACCCAGGCTTACCACACATTCTTGCAAAACACACAGGAGTCAACACCCCAACTATTT
 GGTAATACAAAGAGACTACAAAATCACACAAAAGAATCTCATTTACTTCTTTTCTACTAG
 CAGGCTATGAATGAAAGACTGAGAGGCAACACATCACCTTCATCCAGAGTTGACTTTC
 CCTAACCTTTTTTCTTCTCTAAGAGGTTAAAATCCAAAGTAGTTTCACTGACAACCTGTA
 ACTCTGATATTCCATTTTCTCTCTGAATGGCTAAGCTAGGACATACTTCTTTTCAAA
 GCTGATCTTCAGAACCTCAAGACTGGCAGAAAAGCAGGCTCCCAGCTGCAGCTCGGCCACA
 ATACTTTGCAACAGGCAAGTTCACATAGGTGCAAAATGATGCTTTAAGAGTTATCAAA
 ACTTTTTAAAAATAATGCATTAATATGGAGCCTCCACATTTTCTGACGAAATTCCTCT
 AAAGGTGGTGGCAGCTGTGAAACAGAAGGCACTTTGTGCTAAAATTCAGAGGGTCTCTCA
 AGAGAGAACGCCACAGCAGAGAGACCCAATCCGCCTAAGTTGCAGGCGACCCCTTAAAGT
 GGGGAGGAATATCCCCAGGAAGCATCTGCNAAGAAAAAATTGAATCATGATTTCCAGGC
 AAAATGGCTTAAGTTGGGAGAAAAGAAGTCCAGAGGAAAGACAAACATGGCTGTCCAG
 GACTGAGAATGAGCTTCAAAGACTTGTGAGCTGGCCCTGGCTTCTATTGGGCTGT

Restriction Sites:

NotI-NotI

ACCN:

NM_007271

Insert Size:

3500 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_007271.2 , NP_009202.1
RefSeq Size:	3593 bp
RefSeq ORF:	1398 bp
Locus ID:	11329
UniProt ID:	Q15208
Cytogenetics:	6p21.31
Domains:	pkinese, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>This gene encodes a member of the AGC serine/threonine kinase family of proteins. The kinase activity of this protein is regulated by autophosphorylation and phosphorylation by other upstream kinases. This protein has been shown to function in the cell cycle and apoptosis. This protein has also been found to regulate the protein stability and transcriptional activity of the MYC oncogene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>