

## Product datasheet for **RG206074**

### STK38L (NM\_015000) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STK38L (NM_015000) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STK38L
Synonyms:	NDR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206074 representing NM\_015000  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAATGACGGCAGGGACTACAACAACCTTTCTATGAGCAACCATACCCGGGAAAGAGTGACTGTAG  
 CCAAGCTCACATTGGAGAATTTTATAGCAACCTAATTTTACAGCATGAAGAGAGAGAAAACCAGGCAGAA  
 GAAATTAGAAGTGGCCATGGAAGAAGAAGGATTAGCAGATGAAGAGAAAAAGTTACGTCGATCACACAC  
 GCTCGCAAAGAAACAGAGTTCTTACGGCTCAAAGGACCAGACTTGGCTTGGATGACTTTGAGTCTCTGA  
 AAGTTATAGGAAGAGGAGCTTTTGGAGAGGTGCGGTTGGTCCAGAAGAAAGATACAGGCCATATCTATGC  
 AATGAAGATATTGAGAAAGTCTGATATGCTTGA AAAAGAGCAGGTGGCCCATATCCGAGCAGAAAGAGAT  
 ATTTTGGTAGAAGCAGATGGTGCCTGGGTGGTGAAGATGTTTTACAGTTTTTCAGGATAAGAGGAATCTTT  
 ATCTAATCATGGAATTTCTCCCTGGAGGTGACATGATGACATTGCTAATGAAGAAAGACACCTTGACAGA  
 AGAGGAAACACAGTTCTACATTTTCAGAGACTGTTCTGGCAATAGATGCGATCCACCAGTTGGGTTTCATC  
 CATCGGGATATTAAGCCAGACAACCTTTTATTGGATGCCAAGGGTCATGTAAAATTATCTGATTTTGGTT  
 TATGTACGGGATTAAGAAAGCTCACAGGACTGAATTTTATAGAAATCTCACACAACCCACCAAGTGA  
 CTTCTCATTTTCAGAACATGAACTCAAAGAGGAAAGCAGAACTTGGAGAAGAACAGGAGACAACCTGGCA  
 TATTCACAGTTGGGACACCAGATTACATTGCTCCAGAAGTATTCATGCAGACTGGTTACAACAAATTTGT  
 GTGACTGGTGGTCTTTGGGAGTGATTATGTATGAAATGCTAATAGGATATCCACCTTTCTGCTCTGAAAC  
 ACCTCAAGAAACATACAGAAAAGTGATGAACTGGAAAGAACTCTGGTATTTCTCCAGAGGTACCTATA  
 TCTGAGAAAGCCAAGGACTTAATTTCTCAGATTTTGTATTGATTCTGAAAACAGAATTGGAATAGTGGAG  
 TAGAAGAAATAAAAAGTCAATCCCTTTTTTGAAGGTGTCGACTGGGAGCACATAAGGGAAAGGCCAGCAGC  
 AATCCCTATAGAAATCAAAGCATTGATGATACTTCAAATTTTGTGACTTCCCTGAATCTGATATTTTA  
 CAACCAAGTGCCAAATACCACAGAACCGGACTACAATCCAAGACTGGGTTTTTCTCAATTATACCTATA  
 AAAGGTTTGAAGGTTGACTCAACGTGGCTCTATCCCCACCTACATGAAAGCTGGGAAGTTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG206074 representing NM\_015000  
 Red=Cloning site Green=Tags(s)

MAMTAGTTTTFPMSNHTRERVTVAKLTLENFYSNLILQHEERETRQKKLEVAMEEEGLADEEKKLRRSQH  
 ARKETEFRLRKRTRLGLDDFESLKVIGRGAFGEVRLVQKKDTGHIYAMKILRKSDMLEKEQVAHIRAERD  
 ILVEADGAWVVKMFYSFQDKRNLYLIMEFLPGDMMTLLMKKDTLTEEETQFYISETVLAIDAIHQLGFI  
 HRDIKPDNLLLDAGHVKLSDFGLCTGLKKAHRTEFYRNLTHNPPSDFSQNMNSKRKAETWKKNRRQLA  
 YSTVGTDPDYIAPEVFMQTGYNKLCDWWSLGVIMYEMLIGYPPFCSETPQETYRKVMNWKETLVFPPEVPI  
 SEKAKDLILRFCDISENRIGNSGVVEIKGHPPFEGVDWEHIRERPAAIPIEIKSIDDTSNFDDFPESDIL  
 QVPVNTTEPDYKSKDWFLNYTYKRFEGLTQRGSIPTYMKAGKL

**TR**TRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_015000

**ORF Size:** 1392 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

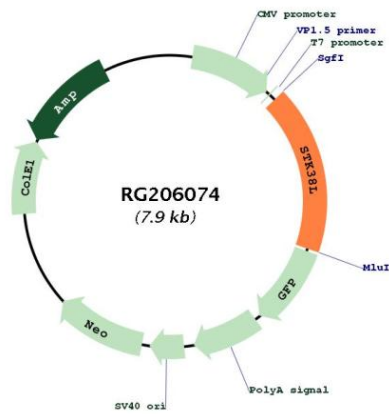
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
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\\_015000.2](#)

**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]

**Product images:**



Circular map for RG206074