

## Product datasheet for **RG225617**

### STK32A (NM\_00112724) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STK32A (NM_00112724) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STK32A
Synonyms:	YANK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225617 representing NM_00112724 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGGAGCGAACACTTCAAGAAAACCACCAGTGTGGATGAAAATGAAGATGTCAACTTTGACCACTTTG  
AAATTTTTCGAGCCATTGGGAAAGGCAGTTTTGGGAAGGTCTGCATTGTACAGAAGAATGATACCAAGAA  
GATGTACGCAATGAAGTACATGAATAAACAAAAGTGCCTGGAGCGCAATGAAGTGAAGAAATGTCTCAAG  
GAACTCCAGATCATGCAGGCTCTGGAGCACCTTTCTGGTTAATTTGTGGTATTCCTTCCAAGATGAGG  
AAGACATGTTTCATGGTGGTGGACCTCTGCTGGGTGGAGACCTGCGTTATCACCTGCAACAGAACGTCCA  
CTTCAAGGAAGAACAGTGAAGCTTTCATCTGTGAGCTGGTTCATGGCCCTGGACTACCTGCAGAACCAG  
CGCATCATTACAGGGATATGAAGCCTGACAATATTTTACTTGACGAACATGGGCACGTGCATACACAG  
ATTTCAACATTGCTGCGATGCTGCCAGGGAGACACAGATTACCACCATGGCTGGCACCAAGCCTTACAT  
GGCACCTGAGATGTTTCAGCTCCAGAAAAGGAGCAGGCTATTCCTTTGCTGTTGACTGGTGGTCCCTGGGA  
GTGACGGCATATGAAGTCTGAGAGGCCGGAGACCGTATCATATTCGCTCCAGTACTTCCAGCAAGGAAA  
TTGTACACACGTTTGGAGCAGCTGTTGTAACCTTACCCTTCTGCCTGGTCCAGGAAATGGTGTCACTTCT  
TAAAAAGCTACTCGAACCTAATCCAGACCAACGATTTTCTCAGTTATCTGATGTCAGAACTTCCCGTAT  
ATGAATGATATAAACTGGGATGCAGTTTTTTCAGAAGAGGCTCATCCAGGTTTTCATTCCTAATAAAGGCA  
GGCTGAATTGTGATCCTACCTTTGAACTTGAGGAAATGATTTTGGAGTCCAAACCTCTACATAAGAAAAA  
AAAGCGTCTGGCAAAGAAGGAGAAGGATATGAGGAAATGCGATTCTTCTCAGACATGTCTTCTTCAAGAG  
CACCTTGAATCTGTCCAGAAGGAGTTTCAATTTTCAACAGAGAAAAAGTAAACAGGGACTTTAACAAAA  
GACAACCAATCTAGCCTTGAACAAACCAAGACCCACAAGGTGAGGATGGTCAGAATAACAACCTTG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225617 representing NM\_001112724  
Red=Cloning site Green=Tags(s)

MGANTSRKPPVFDENEDVNFDFEILRAIGKGSFGKVCIVQKNDTKKMYAMKYMNKQKCVNERNEVRNVFK  
 ELQIMQGLEHPFLVNLWYSFQDEEDMFVVLDLLGGDLRYHLQQNVHFKEETVKLFCELVMALDYLQNO  
 RIIHRDMKPDNILLDEHGHVHITDFNIAAMLPRETQITTMAGTKPYMAPEMFSSRKGAGYSFAVDWWSLG  
 VTAYELLRGRRPYHIRSSTSSKEIVHTFETTIVVTYPSAWSQEMVSLKKLLEPNPDQRFSQLSDVQNFY  
 MNDINWDAVFQKRLIPGFIPNKGRLLNCDPTFELEEMILESKPLHKKKKRLAKKEKDMRKCDSSQTCLLQE  
 HLDVSVQKEFIIFNREKVNRFNKRQPNLALAEQTKDPQGEDGQNNNL

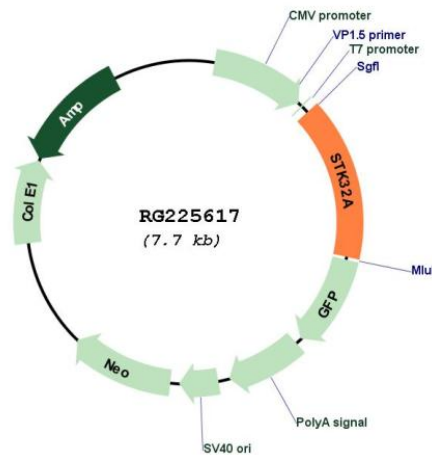
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001112724

<b>ORF Size:</b>	1188 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001112724.2</a>
<b>RefSeq Size:</b>	1693 bp
<b>RefSeq ORF:</b>	1191 bp
<b>Locus ID:</b>	202374
<b>UniProt ID:</b>	<a href="#">Q8WU08</a>
<b>Cytogenetics:</b>	5q32
<b>Protein Families:</b>	Druggable Genome, Protein Kinase