

## Product datasheet for **MG205663**

### Stk32a (BC055002) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stk32a (BC055002) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stk32a
Synonyms:	A930015B13Rik; YANK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205663 representing BC055002 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGCCAACACTTCAAGCAAAGCCCCAGTGTGGATGAAAATGAAGACGTCAACTTTGACCACTTTG  
AAATTTTTCGAGCCATTGGGAAGGGAAGTTTTGGGAAGGTCTGCATTGTGCGGAAGAATGACACCAAGAA  
GATGTACGCCATGAAGTACATGAACAAACAGAAGTGTGTGGAGCGGAATGAAGTGAGGAATGTCTTCAAG  
GAACTCCAGATCATGCAGGGCCTGGAGCACCCCTTCTCTGGTGAATCTGTGGTATTCCTTCCAAGATGAGG  
AGGACATGTTTATGGTGGTGGACCTGCTACTCGGTGGTGGACCTGCGTTATCACCTGCAGCAGAATGTCCA  
CTTCCAGGAGGACACAGTGAAGCTTTCATCTGTGAGCTGGCCATGGCCCTGGACTACCTACAGAGCCAG  
CGCATCATTACAGGGATATGAAACCTGACAATATTTTACTTGATGAACATGCACCGGAGATGTTACGCT  
CTAGGAAGGAAACAGGCTACTCCTTTGCTGTCGACTGGTGGTCCCTCGGGGTGACGGCTTACGAAGTCT  
GAGAGGCCGGAGACCATATCACATCCGCTCCAGTACTTCCAGCAAGGAAATGTGAACATGTTTGAGACA  
GCAATTGTAACCTTACCCTTCTGCCTGGTACAGGAGATGGTATCCCTTCTAAAAAGCTGCTTGAACCTA  
ATCCAGACCAACGCTTTTCTCACTTGACTGACATTCAGAAATTTCCCTTACATGAGTGACATGAACTGGGA  
CGCCGCTCTGCAGAAGAGGCTCATTCCAGGCTTATTCCGACCAAGGCAGGCTCAATTGTGACCCCACT  
TTTGAAGTGAAGAAATGATTTTGGAGTCCAAACCTTTCACAAGAAAAAGAAACGACTGGCTAAAAGGG  
AGAAGGAAATGAAGAAAAGTGAATCCTCTCAGAGTGCCTTCTTCAAGAGCATCTTGATGCTGTTTCAGAA  
AGAATTTATAATTTTCAACAGAGAAAAAGTAAAAAGTGAATTTAATCAGAGACAAGCAAATCTAGCCTTG  
GAACAAACCAAAAAACAACACAGAAGAGGAGGAGGACGGCCAGAATAACAACCTA

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205663 representing BC055002  
Red=Cloning site Green=Tags(s)

MGANTSSKAPVFDENEDVNFDFEILRAIGKGSFGKVCIVRKNDTKKMYAMKYMNKQKCVNERNEVRNVFK  
 ELQIMQGLEHPFLVNLWYSFQDEEDMFVVLDLLGGDLRYHLQQNVHFQEDTVKLFICELAMALDYLQSQ  
 RIIHRDMKPDNILLDEHAPFMFTSRKETGYSAVDWWSLGVTAPELLRGRPPYHIRSSTSKEIVNMFET  
 AIVTYPSAWSQEMVSLKLLLEPNPDQRFSHLTDIQNFPYMSDMNWDVAVLQKRLIPGFIPKGRNLCDPT  
 FELEEMILESKPLHKKKRLAKREKEMKSDSSQTCLLQEHLDVAVQKEFIIFNREKVKSDFNQRQANLAL  
 EQTKNNTSEEDGQNNNL

TRTRPLE - GFP Tag - V

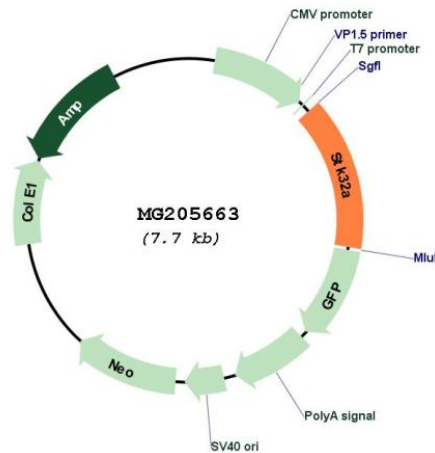
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC055002

<b>ORF Size:</b>	1106 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="#">BC055002</a> , <a href="#">AAH55002</a>
<b>RefSeq Size:</b>	4973 bp
<b>RefSeq ORF:</b>	1106 bp
<b>Locus ID:</b>	269019
<b>Cytogenetics:</b>	18 B3