

## Product datasheet for **MG220449**

### Stk32a (NM\_178749) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stk32a (NM\_178749) 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:** >MG220449 representing NM\_178749  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGAGCCAACACTTCAAGCAAAGCCCCAGTGTGGATGAAAATGAAGACGTCAACTTTGACCACTTTG  
 AAATTTTTCGAGCCATTGGGAAGGGAAGTTTTGGGAAGGTCTGCATTGTGCGGAAGAATGACACCAAGAA  
 GATGTACGCCATGAAGTACATGAACAAACAGAAGTGTGTGGAGCGGAATGAAGTGAGGAATGCTTCAAG  
 GAACTCCAGATCATGCAGGGCCTGGAGCACCTTTCTGGTGAATCTGTGGTATTCCTTCCAAGATGAGG  
 AGGACATGTTTCAAGTGGTGGACCTGCTACTCGGTGGTGGTACCTGCGTTATCACCTGCAGCAGAATGTCCA  
 CTTCAGGAGGACACAGTGAAGCTTTCATCTGTGAGCTGGCCATGGCCCTGGACTACCTACAGAGCCAG  
 CGCATCATTACAGGGATATGAAACCTGACAATATTTACTTGATGAACATGGGCATGTGCACATCACAG  
 ACTTCAACATTGCTGCCATGCTGCCAAGGAGACCCGGATCACCACCGTAGCTGGCACCAAGCCTTACAT  
 GGCACCGGAGATGTTTACGCTCTAGGAAGGAAACAGGCTACTCCTTTGCTGTGACTGGTGGTCCCTCGGG  
 GTGACGGCTTACGAACTGCTGAGAGGCCGAGACCATATCACATCCGCTCCAGTACTTCCAGCAAGGAAA  
 TTGTGAACATGTTTGAACAGCAATTGTAACCTTACCCTTCTGCCTGGTACAGGAGATGGTATCCCTTCT  
 TAAAAAGCTGCTTGAACCTAATCCAGACCAACGCTTTTCTCACTTGACTGACATTCAGAATTTCCCTTAC  
 ATGAGTGACATGAACTGGGACCGCTCTGCAGAAGAGGCTCATTCCAGGCTTCAATCCGACCAAGGAA  
 GGCTCAATTGTGACCCCACTTTTGAACCTGGAAGAAATGATTTTGGAGTCCAAACCTTTCACAAGAAAA  
 GAAACGACTGGCTAAAAGGGAGAAGGAAATGAAGAAAAGTACTCCTCTCAGACGTGCCCTTCTTCAAGAG  
 CATCTTGATGCTGTTTCAAGAAATTTATAATTTTCAACAGAGAAAAAGTAAAAAGTGACTTTAATCAGA  
 GACAAGCAATCTAGCCTTGAACAAACCAAAAACAACACAGAAGAGGAGGAGGACGGCCAGAATAACAA  
 CCTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG220449 representing NM\_178749  
 Red=Cloning site Green=Tags(s)

MGANTSSKAPVFDENEDVNFDFEILRAIGKGSFGKVCIVRKNDTKKMYAMKYMNKQKCVNERNEVRNVFK  
 ELQIMQGLEHPFLVNLWYSFQDEEDMFVVDLLLGGDLRYHLQQNVHFQEDTVKLFICELAMALDYLSQ  
 RIIHRDMKPDNILLDEHGHVHITDFNIAAMLPKETRITTVAGTKPYMAPEMFTSRKETGYSFAVDWWSLG  
 VTAYELLRGRRPYHIRSSTSSKEIVNMFETAIVTYPYSAWSQEMVSLKKLLEPNPDQRFSHLTDIQNFPY  
 MSDMNWDAVLQKRLIPGFIPTKGRLLNCDPTFELEEMILESKPLHKKKKRLAKREKEMKSDSSQTCLLQE  
 HLDVAVQKEFIIFNREKVKSDFNQEQANLALAEQTKNNTTEEEEDGQNNNL

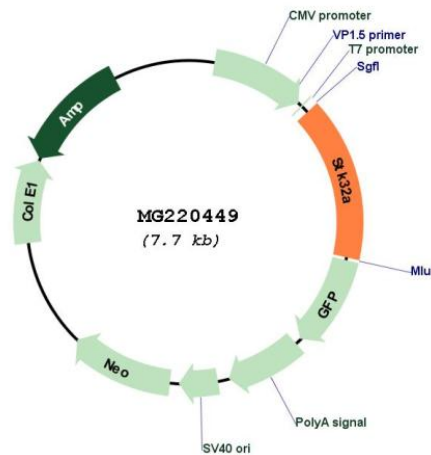
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_178749

<b>ORF Size:</b>	1194 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_178749.3</a> , <a href="#">NP_848864.1</a>
<b>RefSeq Size:</b>	3765 bp
<b>RefSeq ORF:</b>	1197 bp
<b>Locus ID:</b>	269019
<b>UniProt ID:</b>	<a href="#">Q8BGW6</a>
<b>Cytogenetics:</b>	18 B3