

## Product datasheet for MR205663

### Stk32a (BC055002) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stk32a (BC055002) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk32a
Synonyms:	A930015B13Rik; YANK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205663 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGCCAACACTTCAAGCAAAGCCCCAGTGTGTTGATGAAAATGAAGACGTCAACTTTGACCACTTTG  
AAATTTTTCGAGCCATTGGGAAGGGAAGTTTTGGGAAGGTCTGCATTGTGCGGAAGAATGACACCAAGAA  
GATGTACGCCATGAAGTACATGAACAAACAGAAGTGTGTGGAGCGGAATGAAGTGAGGAATGTCTTCAAG  
GAACTCCAGATCATGCAGGGCCTGGAGCACCCCTTCTCGTGAATCTGTGGTATTCCTTCCAAGATGAGG  
AGGACATGTTTCATGGTGGTGGACCTGCTACTCGGTGGTACCTGCGTTATCACCTGCAGCAGAATGTCCA  
CTTCCAGGAGGACACAGTGAAGCTTTCATCTGTGAGCTGGCCATGGCCCTGGACTACCTACAGAGCCAG  
CGCATCATTACAGGGATATGAAACCTGACAATATTTTACTTGATGAACATGCACCGGAGATGTTACGCT  
CTAGGAAGGAAACAGGCTACTCCTTTGCTGTCGACTGGTGGTCCCTCGGGGTGACGGCTTACGAAGTCT  
GAGAGGCCGGAGACCATATCACATCCGCTCCAGTACTTCCAGCAAGGAAATGTGAACATGTTTGAGACA  
GCAATTGTAACCTACCCTTCTGCCTGGTACAGGAGATGGTATCCCTTCTAAAAAGCTGCTTGAACCTA  
ATCCAGACCAACGCTTTTCTCACTTGACTGACATTCAGAAATTTCCCTTACATGAGTGACATGAAGTGGGA  
CGCCGCTCTGCAGAAGAGGCTCATTCCAGGCTTATTCCGACCAAGGCAGGCTCAATTGTGACCCCACT  
TTTGAAGTGAAGAAATGATTTTGGAGTCCAAACCTTTCACAAGAAAAAGAAACGACTGGCTAAAAGGG  
AGAAGGAAATGAAGAAAAGTGAATCCTCTCAGAGTGCCTTCTTCAAGAGCATCTTGATGCTGTTTCAGAA  
AGAATTTATAATTTTCAACAGAGAAAAAGTAAAAAGTGAATTTAATCAGAGACAAGCAAATCTAGCCTTG  
GAACAAACCAAAAAACAACACAGAAGAGGAGGAGGACGGCCAGAATAACAACCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205663 protein sequence  
Red=Cloning site Green=Tags(s)

MGANTSSKAPVFDENEDVNFDFEILRAIGKGSFGKVCIVRKNDTKKMYAMKYMNKQKCVERNEVRNVFK  
 ELQIMQGLEHPFLVNLWYSFQDEEDMFVVLDLLGGDLRYHLQQNVHFQEDTVKLFICELAMALDYLSQ  
 RIIHRDMKPDNILLDEHAPEMFTSRKETGYSFVDWWSLGVTAPELLRGRRPYHIRSSTSSKEIVNMFET  
 AIVTYPYSAWSQEMVSLKLLKLEPNPDQRFSHLTDIQNFPYMSDMNWDVAVLQKRLIPGFIPKGRNLCDPT  
 FELEEMILESKPLHKKKRLAKREKEMKSDSSQTCLLQEHLDAVQKEFIIFNREKVKSDFNQRQANLAL  
 EQTKNNTTEEEEDGQNNNL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC055002

**ORF Size:** 1104 bp

**OTI Disclaimer:** 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:** [BC055002](#), [AAH55002](#)

**RefSeq Size:** 4973 bp

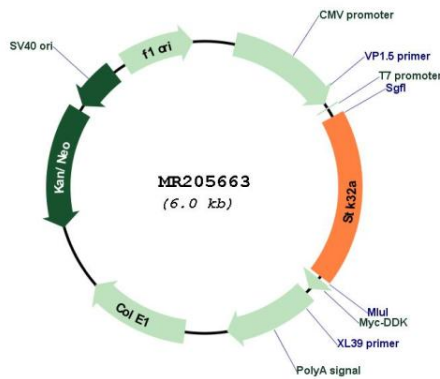
**RefSeq ORF:** 1106 bp

**Locus ID:** 269019

**Cytogenetics:** 18 B3

**MW:** 43.2 kDa

**Product images:**



Circular map for MR205663