

## Product datasheet for MR217202

### Stk31 (NM\_029916) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stk31 (NM_029916) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk31
Synonyms:	C330007K24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217202 representing NM_029916 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGGGGCCAGCGGCTCTTTGCTGGGACGGCTGTGGCGCAAAGTGAAGTTTTCCAGGACTTGTCCAAA  
TGGATGAAGATACACATTACAATAAAGTTGAAGATGTTGTTGGAAGTCATGTAGAAGATGCAGTAACATT  
TTGGGCCAGAAATGTCAGTAAAAATAAGGATATTATGAAGATTGGTTGTTCACTCTCAGAAGTTTGTCT  
CTTGCTAATTCAGTTTTTGGCAATCTTGATCCTAAGAAGATTTATGGTGGATTGTTTTCTGAAGATAAGT  
GCTGGTACAGATGCAAAGTGCTAAAACTATCAGCGATGATAAGTGCCTGGTGGTACATTGACTATGG  
AAATACTGAAATCTAAACCGATCTGATATAGTAGAAATTCCTCCGGAGCTACAATTTCTAGTATTGCC  
AAGAAGTATAGACTTTGGGGACTACAGATTCCTTCTGGCCAAGAAGTTACCCAGTTTGATCAGGGTAGAA  
CATTTTTGGGGAGTTTGATTTTTGAAAAAGAAATTAATGAGAAATAAAGCAACATATCAAGATGGAAC  
AGTTATTGCTCAGGCTGAGTATGGCACTGTCGATATAGGGGAAGAAGTGGCAAAGAAAGGATTTGCAGAA  
AAGTGCAGACTGACCTCAGGCATTGATGCCTGTGAGGCAAGAAACCTGATCCTAATCAGCTTGCTCTCA  
GGAGTCTCAAGAACCCTATCCCCTGTGGGGCGCAGATCAAACAGTCAACCTCAGCAGGCCAAAGGG  
GCATTTTAACGGGAGGCTGACTCTTGATGTGAAGTATGAGACCAGTGCAGGCAATCACGTGACATTTCCA  
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AGAATTAAGGTTGAGCAGACTGCCAGGAGCTGCAGCAAGAGAAAACAGCTACCATGGATCTGACTAAG  
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GGATGAAGGGTCTTTACTACTTAGCATCTTTGAATGAGTTAGAGAAAATTTGGGCTGAATATAATGTT  
GCTCAGGAGAAGATCCAACTTGTCTTAATGAGAATGAAGGTAATTTTTGATTGCTGAAAGAAATGAAG  
TACAACAGAAGCTGTTTCGTGGCTGTAGATGTTTTATTCTGGAAGTAGATGACTTACCCTTGATAAACG  
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AACTCTGAAGAAACACTTAGAAAATTTTATGACTGGCAGTGTACCAAAGAGAAGAGTTCGCCAGTATTA  
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 GTCCTTGGATGAACCATGACTTCAGAAGACCTGATTGGTAATATTGATGAAATTCTAGAGAAGACTGAG  
 TCATGTGTCTGCAAAGAGCTAGAGCTGTCTCATTGAGCAAGGTGTATAGACAAGGAGATTATTTTAA  
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 GTGATTACAGAGCAGCCTTACCATAGAGCTTGTGGATATGCTAAAGAAGAGTCTGGGTTACTGCCAT  
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 CGAGGACTGCATACATTGCATAGTGCTAACATAATTCATGGATCACTTCATCAGAACAATGTATTGCGCT  
 TAAATCGTGAACAAGGGATTGTTGGAGATTATGACTTCACCAAATCTGAGAGCCAGCGAGCTTCAGTCAA  
 CGCGATGGTGGTGGATTGAGTTTGTCTCACCTGAATTGAAAACCTGAAAACCTCCTTCTGCAAGTTCA  
 GACTTATATGCTTATGGTTGCCTTTTCTTATGGCTTTCTGTTCAAATCAAGAGTTTGGAGACAAATGAAG  
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 TTTTAGAAGTTCAATGACTGCTGAGCAGTTTTGAATGCTGAATGTTTCTTGCTTCAAAGGGGAAATCA  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217202 representing NM\_029916  
 Red=Cloning site Green=Tags(s)

MWGQRLFAGTAVAQSVSFPGLVQMEDETHYKVEDVVGSHVEDAVTFWAQNVSKNKDIMKIGCSLSEVCP  
 LANSVFGNLDPKKIYGGFLFSEDKCWYRCKVLKTI SDDKCLVRYIDYGNTIELNRS DIVEIPPELQFSSIA  
 KKYRLWGLQIPSGQEVTFDQGRFLGSLIFEKEIKMRIKATYQDGTVIAQAEYGTVDIGEEVAKKGF  
 KCRLTSGIDACEAKKPDNPQLALRSLKNPIPLWGRRSNQSTFSRPKGFHNGRLTLDVKYETSAGNHVTFP  
 KESLAAGDFNLGSNLSLAKIKQDQKLEENEKLTKEVELLENYKALELKEVQTAQELQQEKTATMDLTK  
 HLESTLTKCVGTRLKNLAAKVELLKEIRHINISIRFGNDLSDAMQVLEDEGSFTTLASLNELEKIWA  
 EYNAQEKIQTCLNENEGNILIAERNEVQKLFVAVDVFILEVDDLPLDKRLKTLQDLATSLESVY  
 GKAKEGTN NSEETLRKFYDWQCTKREEFASIRSETEASLQHLVAVFQSSQKVFDSLDEPLTSED  
 LIGNIDEILEKTE SCVCKELELSIEQGVIDKEIILSTYSQVLQKIHSEEF IATLLSKYKDSVEFKQ  
 MIDCLNKNPNVDYL LSIKKTLKGLKAQLRWKLVKSNLEESDDHDGTEIEKIKQEI TQLRNSV  
 FQEIYHEREEYELNLSLTQKWFPELPLLYPEIGLLKYMNSGGLLTMSLERDLLDTEPMKELSSK  
 RPLVCSEVNGQPVLLKGYSDVDTEGRVIQRAASYHRACGYAKEESGLLPLIFLFLCKSDP  
 VAYLMPYYPKANLSAVQASMPLTSEEALKVMKGVARGLHHLHSANI IHGSLHQNNVFALNRE  
 QGIVGDYDFTKSESQRASVNAMVGGLSLLSPELKTGKPPSASS DLYAYGCLFLWLSVQ  
 NQEFETNEDGIPKVDQFHLLDDNVKSLLSLIYFRSSMTAEQVLNAECFLLPKGS VP  
 IPEKEIECTQHSREDESKMESLD RYSEKTRNGEANP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9009\\_c03.zip](https://cdn.origene.com/chromatograms/mm9009_c03.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_029916

**ORF Size:** 3054 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:** [NM\\_029916.2](#), [NP\\_084192.2](#)

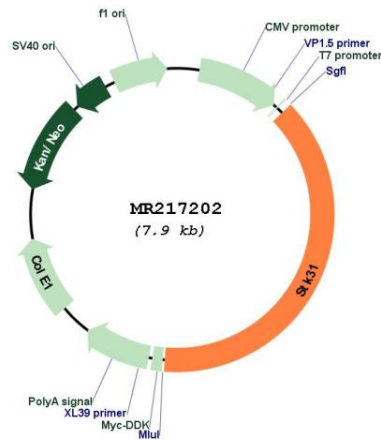
**RefSeq Size:** 3238 bp

**RefSeq ORF:** 3057 bp

**Locus ID:** 77485

UniProt ID: [Q99MW1](#)  
 Cytogenetics: 6 B2.3  
 MW: 115 kDa

**Product images:**



Circular map for MR217202