

Product datasheet for **MG207818**

Stk32c (NM_021302) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk32c (NM_021302) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Stk32c
Synonyms:	PKE; Pkek; YANK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG207818 representing NM_021302
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGAGCGGGCGGAGAGAAGGGGCAGCAGCGCCGCGCGCCCCCAGTTCGCCGCCTCCCGGTCGTG
 CGCGCCCCGCGGGCTCCGATGTGTCCCCGCCTTGCCGCGCGCGCAGCTAGCCAGCCCCGGGCCGGA
 CGCCGGAGATGCCCGCGCGCAGCCGCGCCCCCTGTTTCAGTGGAGCAAGTGGAAGAAGAGGATGTCTATG
 TCGTCCATATCGTCAGGCAGCGCGGAGGCGCGGTGTTTGACGACAAGGAGGACGTGAACTTTGACCACT
 TCCAGATTCTGAGAGCAATTGGGAAAGGCAGCTTTGGCAAGGTGTGCATCGTCGAGAAGCGGGACACAGA
 GAAGATGTACGCCATGAAGTACATGAACAAGCAGCAATGCATAGAGCGGGATGAGGTCCGGAATGTCTTC
 CGGGAGCTGGAGATCCTACAGGAAATCGAGCATGTCTTCTGGTGAACCTCTGGTACTCCTTCCAGGATG
 AGGAGGACATGTTTCATGGTGGTGGATCTGCTTCTGGGGGAGACCTGCGCTACCACCTACAGCAGAATGT
 CCAGTTCTCAGAGGACACAGTGAGGCTGTACATCTGTGAGATGGCCCTGGCCCTGGACTACCTGCGTAGC
 CAACACATCATCCACAGAGATGTCAAGCCTGACAACATCCTCCTGGATGAACAAGGACATGCACACCTTA
 CTGACTTCAACATTGCCACCATCATAAAGGATGGGGAGAGGGCGCAGCTTTAGCTGGGACCAAAACCGTA
 CATGGCTCCAGAGATCTTCCACTCTTTCGTCATGGCGGGACTGGCTACTCCTTCGAGGTGGACTGGTGG
 TCGGTGGGGGTGATGGCTTACGAGCTGTACGAGGATGGAGACCTACGATATCCACTCGAGCAATGCTG
 TGGAGTCGCTGGTTCAGCTGTTACGACTGTGAGTGTCCAGTACGTGCCACCTGGTCCAAGGAGATGGT
 AGCCCTGCTGCGAAAGCTCCTCACCGTGAACCTGAGCACCAGTCTCCAGTCTCCAAGACATGCAGACA
 GCCCATCGCTGGCCACGTGCTGTGGGACGACCTGAGTGAAAAGAAGGTGGAGCCAGGCTTTGTGCCCA
 ATAAAGGCCCGCTGCACTGTGATCCCACCTTTGAGCTGGAGGAGATGATCCTTGAGTCGAGGCGCTGCA
 CAAGAAGAAAAAGCGGCTGGCCAAGAATAAGTCTCGGGACAGCAGCAGAGACAGTTCACAGTCGGAGAAT
 GACTACCTGCAAGACTGCCTGGATGCCATCCAGCAAGACTTCGTGATTTTAAACAGAGAAAAAGTTGAAGA
 GGAGCCAGGAACCTCATGAGCGAGCCTCCTCCAGGCCAGAGAGCTCAGATATGACAGATTCCACCGCAGA
 CAGTGAGGCAGAGCCACAGCCCTGCCATGTGTGGCTCCATCTGCCCTCATCTGGGAGCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

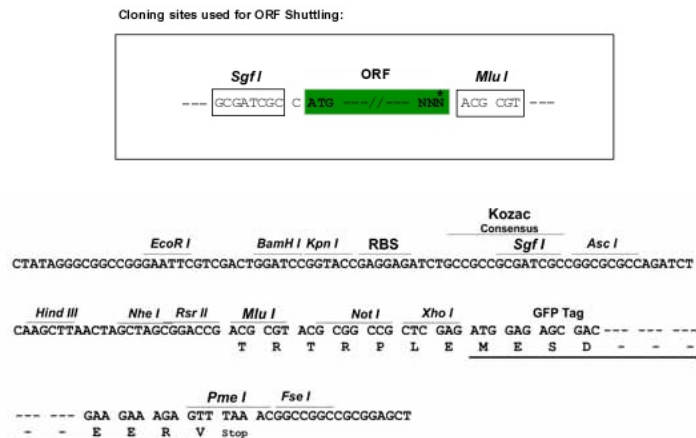
>MG207818 representing NM_021302
 Red=Cloning site Green=Tags(s)

MRS GAERRGSSAAAPPSSPPPGRRARPAGSDVSPALPPPAASQPRARDAGDARAQPRPLFQWSKWKRMSS
 SSISSGSARRPVFDDKEDVNFDFHFIQLRAIGKGSFGKVCIVQKRDEKMYAMKYMKNQCCIERDEVRNVF
 RELEILQEIEHVFLVNLWYSFQDEEDMFVVDLLLGGDLRYHLQQNVQFSEDTVRLYICEMALDYLRS
 QHIIHRDVKPDNILLDEQGHAILTDFNIATIIKGERATALAGTKPYMAPEIFHSFVNGGTGYSFEVDWW
 SVGV MAYELLRGWRPYDIHSSNAVESLVQLFSTVSVQYVPTWSKEMVALLRKLLTVNPEHRFSSLQDMQT
 APSLAHVLWDDLSEKKVEPGFVFNKGRHLHCDPTFELEEMILESRLPHKKKKRLAKNKSRRSSRDSSQSEN
 DYLDQCLDAIQDFVIFNREKLKRSQELMSEPPPGPETSMDTSDADSEAEPTALPMCGSICPSSGSS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_021302

ORF Size: 1464 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021302.3](#), [NP_067277.2](#)

RefSeq Size: 2183 bp

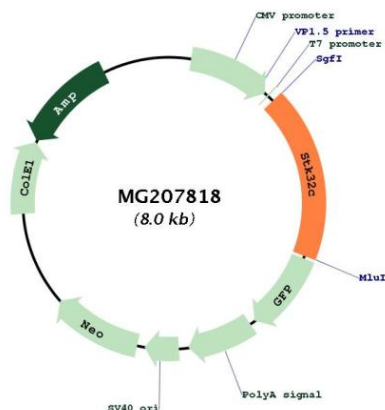
RefSeq ORF: 1467 bp

Locus ID: 57740

UniProt ID: Q8QZV4

Cytogenetics: 7 F4

Product images:



Circular map for MG207818