

Product datasheet for **MR207818**

Stk32c (NM_021302) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk32c (NM_021302) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk32c
Synonyms:	PKE; Pkek; YANK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207818 representing NM_021302
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGAGCGGGCGGAGAGAAGGGGCAGCAGCGCCGCGCGCCCCCAGTTCGCCGCCTCCCGGTCTGTG
 CGCGCCCCGCGGGCTCCGATGTGTCCCCGCCTTGCCGCCGCGGCAGCTAGCCAGCCCCGGGCCCGGA
 CGCCGGAGATGCCCGCGCGCAGCCGCGCCCCCTGTTTCAGTGGAGCAAGTGAAGAAGAGGATGTCTATG
 TCGTCCATATCGTCAGGCAGCGCGGAGGCCGGTGTTCGACACAAGGAGGACGTGAACCTTGACCACT
 TCCAGATTCTGAGAGCAATTGGGAAAGGCAGCTTTGGCAAGGTGTGCATCGTCAGAAGCGGGACACAGA
 GAAGATGTACGCCATGAAGTACATGAACAAGCAGCAATGCATAGAGCGGGATGAGGTCCGGAATGTCTTC
 CGGGAGCTGGAGATCCTACAGGAAATCGAGCATGTCTTCTGGTGAACCTCTGGTACTCCTCCAGGATG
 AGGAGGACATGTTTCATGGTGGTGGATCTGCTTCTGGGGGAGACCTGCGCTACCACCTACAGCAGAATGT
 CCAGTTCTCAGAGGACACAGTGAAGCTGTACATCTGTGAGATGGCCCTGGCCCTGGACTACCTGCGTAGC
 CAACACATCATCCACAGAGATGTCAAGCCTGACAACATCCTCCTGGATGAACAAGGACATGCACACCTTA
 CTGACTTCAACATTGCCACCATCATAAAGGATGGGGAGAGGGCGCAGCTTTAGCTGGGACCAAAACCGTA
 CATGGCTCCAGAGATCTTCCACTCTTCGTCATGGCGGACTGGCTACTCCTTCGAGGTGGACTGGTGG
 TCGGTGGGGGTGATGGCTTACGAGCTGTACGAGGATGGAGACCTACGATATCCACTCGAGCAATGCTG
 TGGAGTCGCTGGTTCAGCTGTTACGACTGTGAGTGTCCAGTACGTGCCACCTGGTCCAAGGAGATGGT
 AGCCCTGCTGCGAAAGCTCCTCACCGTGAACCTGAGCACCAGTCTCCAGTCTCCAAGACATGCAGACA
 GCCCATCGCTGGCCACGTGCTGTGGGACGACCTGAGTGAAAAGAAGGTGGAGCCAGGCTTTGTGCCCA
 ATAAAGGCCGCTGCACTGTGATCCCACCTTTGAGCTGGAGGAGATGATCCTTGAGTCGAGGCTCTGCA
 CAAGAAGAAAAAGCGGCTGGCCAAGAATAAGTCTCGGGACAGCAGCAGAGACAGTTCAGTCCGGAAT
 GACTACCTGCAAGACTGCCTGGATGCCATCCAGCAAGACTTCGTGATTTTAAACAGAGAAAAGTTGAAGA
 GGAGCCAGGAACCTCATGAGCGAGCCTCCTCCAGGCCAGAGAGCTCAGATATGACAGATTCCACCGCAGA
 CAGTGAGGCAGAGCCACAGCCCTGCCCATGTGTGGCTCCATCTGCCCTCATCTGGGAGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207818 representing NM_021302
 Red=Cloning site Green=Tags(s)

MRSGAERRGSSAAAPPSSPPPGRARPAGSDVSPALPPPAASQPRARDAGDARAQPRPLFQWSKWKKRMSM
 SSISSGSARRPVFDDKEDVNFDFHFIQILRAIGKSGFKVCIVQKRDTEKMYAMKYMKNQQCIEERDEVNRF
 RELEILQEIEHVFLVNLWYSFQDEEDFMVVDLLLGGDLRYHLQQNVQFSEDTVRLYICEMALDYLRS
 QHIHRDVKPDNILLDEQGHAILTDFNIATIIKGERATALAGTKPYMAPEIFHSFVNGGTGYSFEVDWW
 SVGVMAYELLRGWRPYDIHSSNAVESLVQLFSTVSVQYVPTWSKEMVALLRKLLTVNPEHRFSSLQDMQT
 APSLAHVLWDDLSEKKVEPGFVFNKGRHLCDPTFEEMILESRPLHKKKKRLAKNKSRRSSRRSSQSEN
 DYLDQCLDAIQDFVIFNREKLKRSQELMSEPPPGPETSMDTSTADSEAEPALPMCGSICPSSGSS

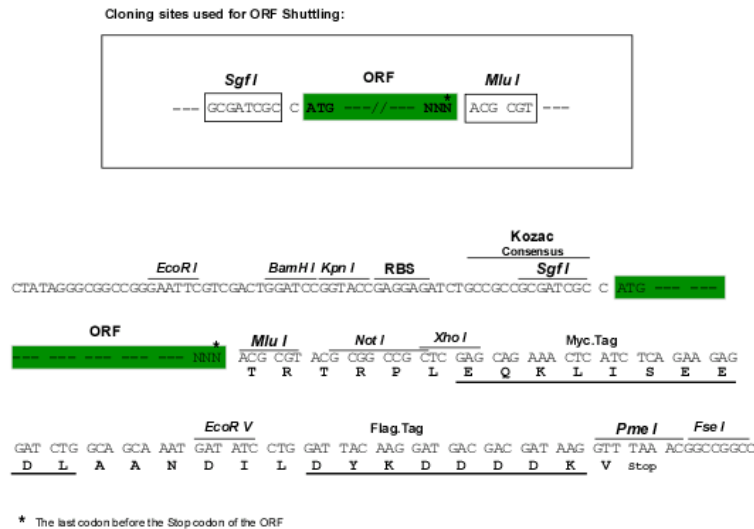
TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9010_b12.zip

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

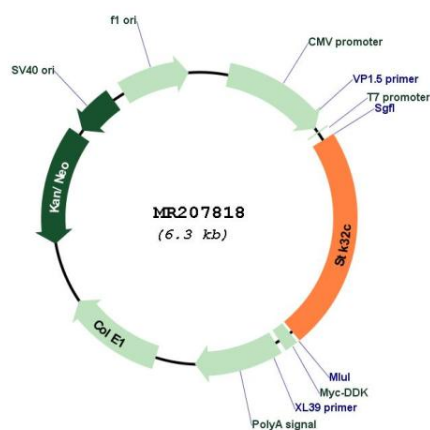
Locus ID: 57740

UniProt ID: Q8QZV4

Cytogenetics: 7 F4

MW: 55.7 kDa

Product images:



Circular map for MR207818