

Product datasheet for **MR216622**

Stk32c (NM_001162540) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk32c (NM_001162540) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk32c
Synonyms:	PKE; Pkek; YANK3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR216622 representing NM_001162540
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGAGCGGGCGGAGAGAAGGGGCAGCAGCGCCGCGGCCCCAGTTCGCCCGCTCCCGGTCTG
 CGCGCCCGCGGGCTCCGATGTGTCCCGCCTTGCCCGCGCGGACAGCTAGCCAGCCCGGGCCGGGA
 CGCCGGAGATGCCCGCGCGCAGCCGCGCCCTGTTTCAGTGGAGCAAGTGAAGAAGAGGATGTCTATG
 TCGTCCATATCGTCAGGCAGCGCGGAGGCGCGTGTTCGACGACAAGGAGGACGTGAACCTTGACCACT
 TCCAGATTCTGAGAGCAATTGGGAAAGGCAGCTTTGGCAAGGTGTGCATCGTGCAGAAGCGGGACACAGA
 GAAGATGTACGCCATGAAGTACATGAACAAGCAGCAATGCATAGAGCGGGATGAGGTCCGGAATGTCTTC
 CGGGAGCTGGAGATCCTACAGGAAATCGAGCATGTCTTCTGGTGAACCTCTGGTACTCCTCCAGGATG
 AGGAGGACATGTTTCATGGTGGTGGATCTGCTTCTGGGGGAGACCTGCGCTACCACCTACAGCAGAAATG
 CCAGTTCTCAGAGGACACAGTGAAGCTGTACATCTGTGAGATGGCCCTGGCCCTGGACTACCTGCGTAGC
 CAACACATCATCCACAGAGATGTCAAGCCTGACAACATCCTCCTGGATGAACAAGGACATGCACACCTTA
 CTGACTTCAACATTGCCACCATCATAAAGGATGGGGAGAGGGCGACAGCTTTAGCTGGGACCAAACCGTA
 CATGGCTCCAGAGATCTTCCACTCTTTCGTCAATGGCGGGACTGGCTACTCCTTCGAGGTGGACTGGTGG
 TCGGTGGGGGTGATGGCTTACGAGCTGTACGAGGATGGAGACCTACGATATCCACTCGAGCAATGCTG
 TGGAGTCGCTGGTTCAGCTGTTACGACTGTGAGTGTCCAGTACGTGCCACCTGGTCCAAGGAGATGGT
 AGCCCTGCTGCGAAAGCTCCTCACCGTGAACCTGAGCACCGTCTCCAGTCTCCAAGACATGCAGACA
 GCCCATCGCTGGCCACGTGCTGTGGGACGACCTGAGTGAAGAAGGTTGGAGCCAGGCTTTGTGCCCA
 ATAAAGCCCGCTGCACTGTGATCCCACCTTTGAGCTGGAGGAGATGATCCTTGTGAGCGAGCCTGCA
 CAAGAAGAAAAAGCGGCTGGCCAAGAATAAGTCTCGGGACAGCAGCAGAGACAGTCCCAGTCGGGAAT
 GACTACCTGCAAGACTGCCTGGATGCCATCCAGCAAGACTTCGTGATTTTTAACAGAGAAAAAGTTGAAGA
 GGAGCCAGGAACTCATGAGCGAGCCTCCTCCAGGCCAGAGACGTGAGATATGACAGATTCACCCGAGCA
 CAGTGAGGCAGAGCCACAGCCCTGCCATGTGTGGTCCATCTGCCCTCATCTGGGAGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216622 representing NM_001162540
 Red=Cloning site Green=Tags(s)

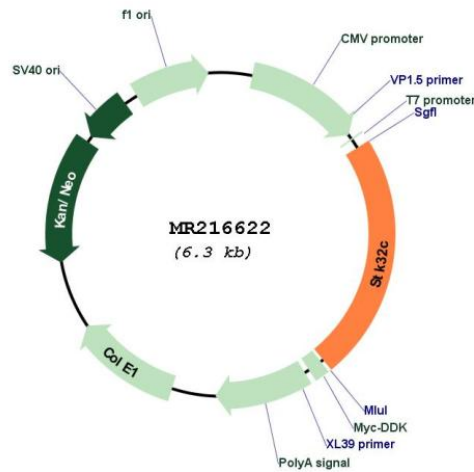
MRSGAERRGSSAAAPPSSPPPGRARPAGSDVSPALPPPAASQPRARDAGDARAQPRPLFQWSKWKKRMSM
 SSISSGSARRPVFDDKEDVNFDFHQILRAIGKGSFGKVCIVQKRDTEKMYAMKYMNKQQCIERDEVRNVF
 RELEILQEIEHVFLVNLWYSFQDEEDMFMVVDLLLGGDLRYHLQQNVQFSEDTVRLYICEMALALDYLR
 QHIHRDVKPDNILLDEQGHHLTDFNIATIIKDGERTALAGTKPYMAPEIFHSFVNGGTGYSFEVDWW
 SVGMAYELLRGWRPYDIHSSNAVESLVQLFSTVSVQYVPTWSKEMVALLRKLLTVNPEHRFSSLQDMQT
 APSLAHVLWDDLSEKKVEPGFVFNKGRHLCDPTFEEEMILESRPLHKKKRLAKNKS RDSSRSQSEN
 DYLDQCLDAIQDFVIFNREKLKRSQELMSEPPPGPETSMDTSTADSEAEPTALPMCGSICPSSGSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001162540

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.

RefSeq Size: 1883 bp

RefSeq ORF: 1113 bp

Locus ID: 57740

UniProt ID: [Q8QZV4](#)

Cytogenetics: 7 F4

MW: 43 kDa