

Product datasheet for **MG216622**

Stk32c (NM_001162540) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk32c (NM_001162540) 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:

>MG216622 representing NM_001162540
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGAGCGGGCGGAGAGAAGGGGCAGCAGCGCCGCGGCCCCAGTTCGCCCGCTCCCGGTCTGT
 CGCGCCCGCGGGCTCCGATGTGTCCCGCCTTGCCCGCGCGGAGCTAGCCAGCCCGGGCCGGGA
 CGCCGGAGATGCCCGCGCGCAGCCGCGCCCTGTTTCAGTGGAGCAAGTGAAGAGAGGATGTCTATG
 TCGTCCATATCGTCAGGCAGCGCGGAGGCGCGTGTGACGACAAGGAGGACGTGAACCTTGACCACT
 TCCAGATTCTGAGAGCAATTGGAAAGGCAGCTTTGGCAAGGTGTGCATCGTGCAGAAGCGGACACAGA
 GAAGATGTACGCCATGAAGTACATGAACAAGCAGCAATGCATAGAGCGGGATGAGGTCCGGAATGTCTTC
 CGGGAGCTGGAGATCCTACAGGAAATCGAGCATGTCTTCTGGTGAACCTCTGGTACTCCTCCAGGATG
 AGGAGGACATGTTTCATGGTGGTGGATCTGCTTCTGGGGGAGACCTGCGCTACCACCTACAGCAGAAATG
 CCAGTTCTCAGAGGACACAGTGTGAGGCTGTACATCTGTGAGATGGCCCTGGCCCTGGACTACCTGCGTAGC
 CAACACATCATCCACAGAGATGTCAAGCCTGACAACATCCTCCTGGATGAACAAGGACATGCACACCTTA
 CTGACTTCAACATTGCCACCATCATAAAGGATGGGGAGAGGGCGCAGACTTTAGCTGGGACCAAACCGTA
 CATGGCTCCAGAGATCTTCCACTCTTTCGTCATGGCGGGACTGGCTACTCCTTCGAGGTGGACTGGTGG
 TCGGTGGGGGTGATGGCTTACGAGCTGTACGAGGATGGAGACCTACGATATCCACTCGAGCAATGCTG
 TGGAGTCGCTGGTTCAGCTGTTACGACTGTGAGTGTCCAGTACGTGCCACCTGGTCCAAGGAGATGGT
 AGCCCTGCTGCGAAAGCTCCTCACCGTGAACCTGAGCACCAGTCTCCAGTCTCCAAGACATGCAGACA
 GCCCATCGCTGGCCACGTGCTGTGGGACGACCTGAGTGAAGAAGGTTGGAGCCAGGCTTTGTGCCCA
 ATAAAGCCCGCTGCACTGTGATCCCACCTTTGAGCTGGAGGAGATGATCCTTGTGAGCGGCTCTGCA
 CAAGAAGAAAAAGCGGCTGGCCAAGAATAAGTCTCGGGACAGCAGAGACAGTCCCAGTCGGAGAAT
 GACTACCTGCAAGACTGCCTGGATGCCATCCAGCAAGACTTCGTGATTTTTAACAGAGAAAAAGTTGAAGA
 GGAGCCAGGAACTCATGAGCGAGCCTCCTCCAGGCCAGAGACGTGAGATATGACAGATTCACCGCAGA
 CAGTGAGGCAGAGCCACAGCCCTGCCATGTGTGGTCCATCTGCCCTCATCTGGGAGCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216622 representing NM_001162540
 Red=Cloning site Green=Tags(s)

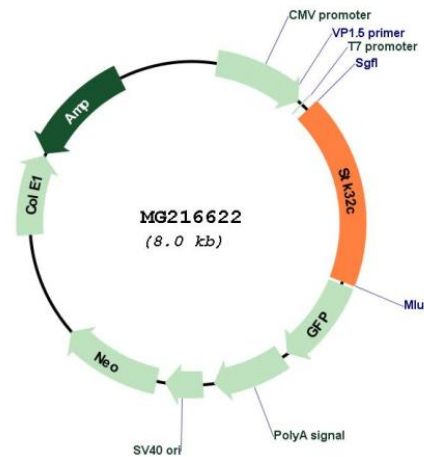
MRSGAERRGSSAAAPPSSPPPGRARPAGSDVSPALPPPAASQPRARDAGDARAQPRPLFQWSKWKKRMSM
 SSISSGSARRPVFDDKEDVNFDFHFQILRAIGKGSFGKVCIVQKRDEKMYAMKYMKNQCCIERDEVNRF
 RELEILQEIEHVFLVNLWYSFQDEEDFMVVDLLLGGDLRYHLQQNVQFSEDTVRLYICEMALADYLR
 QHIHRDVKPDNILLDEQGHHLTDFNIATIIKDGERTALAGTKPYMAPEIFHSFVNGGTGYSFEVDWW
 SVGVMAEYELLRGWRPYDIHSSNAVESLVQLFSTVSVQYVPTWSKEMVALLRKLTVNPEHRFSSLQDMQT
 APSLAHVLDLSEKKVEPGFVFNKGRHLCDPTFEEMILESRPLHKKKRLAKNKSRRSSRDSSQSEN
 DYLDQCLDAIQDFVIFNREKLRKRSQELMSEPPPGPETSMDTSTADSEAEPTALPMCGSICPSSGSS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001162540

ORF Size: 1110 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_001162540.1](#), [NP_001156012.1](#)

RefSeq Size: 1883 bp

RefSeq ORF: 1113 bp

Locus ID: 57740

UniProt ID: [Q8QZV4](#)

Cytogenetics: 7 F4