

Product datasheet for MR220449

Stk32a (NM_178749) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stk32a (NM_178749) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Stk32a
Synonyms: A930015B13Rik; YANK1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220449 representing NM_178749
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGCCAACACTTCAAGCAAAGCCCCAGTGTGGATGAAAATGAAGACGTCAACTTTGACCACTTTG
AAATTTTTCGAGCCATTGGGAAGGGAAGTTTTGGGAAGGTCTGCATTGTGCGGAAGAATGACACCAAGAA
GATGTACGCCATGAAGTACATGAACAAACAGAAGTGTGTGGAGCGGAATGAAGTGAGGAATGCTTCAAG
GAACTCCAGATCATGCAGGGCCTGGAGCACCTTTCTGGTGAATCTGTGGTATTCCTTCCAAGATGAGG
AGGACATGTTTGGTGGTGGACCTGCTACTCGGTGGTGGACCTGCGTTATCACCTGCAGCAGAATGTCCA
CTTCCAGGAGGACACAGTGAAGCTTTCATCTGTGAGCTGGCCATGGCCCTGGACTACCTACAGAGCCAG
CGCATCATTACAGGGATATGAAACCTGACAATATTTACTTGATGAACATGGGCATGTGCATACACAG
ACTTCAACATTGCTGCCATGCTGCCAAGGAGACCCGGATCACCACCGTAGCTGGCACCAAGCCTTACAT
GGCACCAGGAGATGTTTACGCTTAGGAAGGAAACAGGCTACTCCTTTGCTGTGACTGGTGGTCCCTCGGG
GTGACGGCTTACGAACTGCTGAGAGGCCGGAGACCATATCACATCCGCTCCAGTACTTCCAGCAAGGAAA
TTGTGAACATGTTTGGAGACGCAATTGTAACCTTACCCTTCTGCCTGGTACAGGAGATGGTATCCCTTCT
TAAAAAGCTGCTTGAACCTAATCCAGACCAACGCTTTTCTCACTTGACTGACATTGAGAAATTTCCCTTAC
ATGAGTGACATGAACTGGGACGCGCTCCTGCAGAAGAGGCTCATTCCAGGCTTCCATCCGACCAAGGAA
GGCTCAATTGTGACCCCACTTTTGAACCTGGAAGAAATGATTTTGGAGTCCAAACCTTTCACAAGAAAA
GAAACGACTGGCTAAAAGGGAGAAGGAAATGAAGAAAAGTACTCCTCTCAGACGTGCCTTCTTCAAGAG
CATCTTGATGCTTTCAGAAAGAAATTTATAATTTTCAACAGAGAAAAAGTAAAAAGTGACTTTAATCAGA
GACAAGCAAATCTAGCCTTGAACAAACCAAAAAACAACAGAGAGGAGGAGGACGGCCAGAATAACAA
CCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220449 representing NM_178749
Red=Cloning site Green=Tags(s)

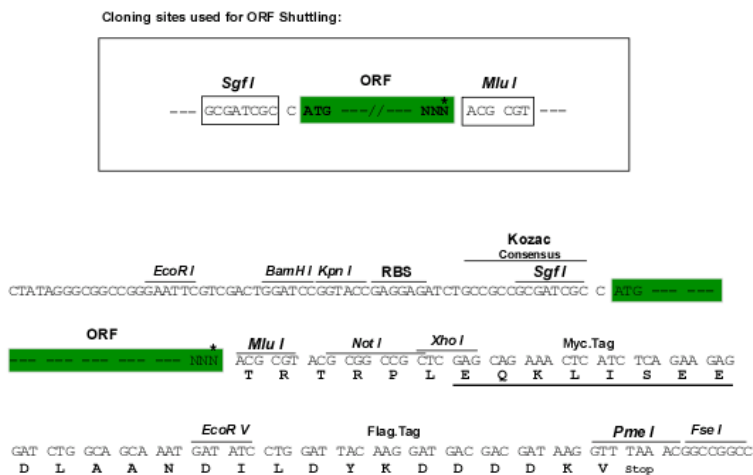
MGANTSSKAPVFDENEDVNFDFHEILRAIGKGSFGKVCIVRKNDTKKMYAMKYMNKQKCVERNEVRNVFK
 ELQIMQGLEHPFLVNLWYSFQDEEDMFVVDLLLGGDLRYHLQQNVHFQEDTVKLFICELAMALDYLSQ
 RIIHRDMKPDNILLDEHGHVHITDFNIAAMPLKETRITTVAGTKPYMAPEMFTSRKETGYSFAVDWWSLG
 VTAYELLRGRRPYHIRSSTSSKEIVNMFETAIVTYPYSAWSQEMVSLKKLLEPNPDQRFSHLTDIQNFPY
 MSDMNWDAVLQKRLIPGFIPTKGRNLCDPTFELEEMILESKPLHKKKRRLAKREKEMKSDSSQTCLLQE
 HLDVAVQKEFIIIFNREKVKSDFNQRQANLALAEQTKNNTTEEEEDGQNNNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1394_a05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_178749

ORF Size: 1194 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_178749.3](#), [NP_848864.1](#)

RefSeq Size: 3765 bp

RefSeq ORF: 1197 bp

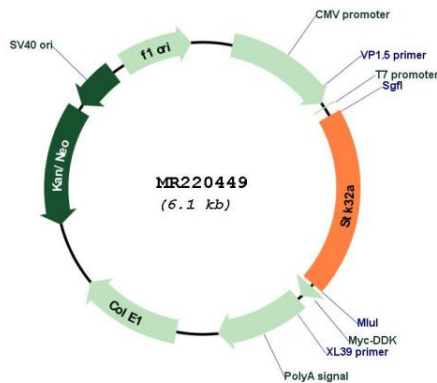
Locus ID: 269019

UniProt ID: [Q8BGW6](#)

Cytogenetics: 18 B3

MW: 47 kDa

Product images:



Circular map for MR220449