

Product datasheet for RC204769

STK32A (NM_145001) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STK32A (NM_145001) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: STK32A
Synonyms: YANK1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC204769 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGCCAACACTTCAAGAAAACCACAGTGTGTTGATGAAAATGAAGATGTCAACTTTGACCACTTTG
AAATTTTTCGAGCCATTGGGAAAGGCAGTTTTGGGAAGGTCTGCATTGTACAGAAGAATGATACCAAGAA
GATGTACGCAATGAAGTACATGAATAAACAAAAGTGCCTGGAGCGCAATGAAGTGAGAAATGTCTTCAAG
GAACTCCAGATCATGCAGGTCTGGAGCACCTTCTCTGGTTAATTTGTGGTATTCCTTCCAAGATGAGG
AAGACATGTTTATGGTGGTGGACCTCCTGCTGGGTGGAGACCTGCGTTATCACCTGCAACAGAACGTCCA
CTTCAAGGAAGAAACAGTGAAGCTTCTCATCTGTGAGCTGGTTCATGGCCCTGGACTACCTGCAGAACCA
CGCATCATTACAGGGATATGAGCCTGACAATATTTTACTTGACGAACATGATACCTGGCTCTCTTACA
AGTCCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204769 protein sequence
Red=Cloning site Green=Tags(s)
MGANTSRKPPVFDENEDVNFDFEILRAIGKGSFGKVCIVQKNDTKKMYAMKYMNKQKCVNERNEVRNVFK
ELQIMQGLEHPFLVNLWYSFQDEEDMFVVDLLGGDLRYHLQQNVHFKEETVKLFICELVMALDYLQNQ
RIIHRDMKPDNILLDEHDTWLSYKSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6061_c09.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145001

ORF Size: 498 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_145001.2](#)

RefSeq Size: 888 bp

RefSeq ORF: 501 bp

Locus ID: 202374

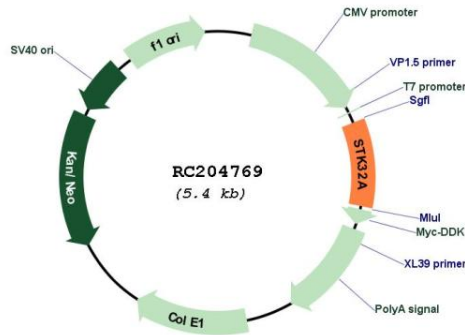
UniProt ID: [Q8WU08](#)

Cytogenetics: 5q32

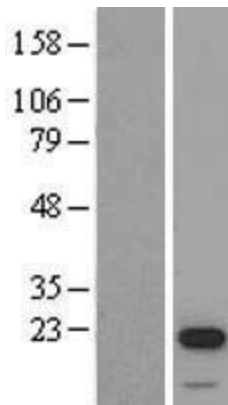
Protein Families: Druggable Genome, Protein Kinase

MW: 19.8 kDa

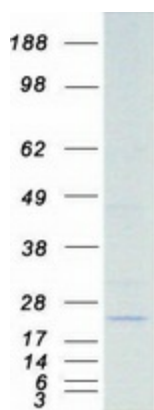
Product images:



Circular map for RC204769



Western blot validation of overexpression lysate (Cat# [LY408139]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204769 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified STK32A protein (Cat# [TP304769]). The protein was produced from HEK293T cells transfected with STK32A cDNA clone (Cat# RC204769) using MegaTran 2.0 (Cat# [TT210002]).