

Product datasheet for **RC238024**

STK32A (NM_001287740) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK32A (NM_001287740) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STK32A
Synonyms:	YANK1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC238024 representing NM_001287740 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGAGCGAACACTTCAAGAAAACCACAGTGTGGATGAAAATGAAGATGTCAACTTTGACCACTTTG
AAATTTTGGCAGCCATTGGGAAAGGCAGTTTTGGGAAGGTCTGCATTGTACAGAAGAATGATACCAAGAA
GATGTACGCAATGAAGTACATGAATAAACAAAAGTGCCTGGAGCGCAATGAAGTGAGAAATGTCTTCAAG
GAACTCCAGATCATGCAGGGTCTGGAGCACCTTTCTCTGGTAAATTTGTGGTATTCTTCCAAGATGAGG
AAGACATGTTTATGGTGGTGGACCTCTGCTGGGTGGAGACCTGCCTTATCACCTGCAACAGAACGTCCA
CTTCAAGGAAGAAACAGTGAAGCTCTTCACTGTGAGCTGGTGCATGGCCCTGGACTACCTGCAGAACCAG
CGCATCATTACAGGGATATGAAGCCTGACAATATTTTACTTGACGAACATGGGCACGTGCACATCACAG
ATTTCAACATTGCTGCGATGCTGCCAGGGAGACAGATTACCACCATGGCTGGCACCAGCCTTACAT
GGCACCTGAGATGTTTCCAGTCCAGAAAAGGAGCAGGCTATTCCTTTGCTGTTGACTGGTGGTCCCTGGGA
GTGACGGCATATGAACTGCTGAGAGGCCGAGACCGTATCATATTCGCTCCAGTACTCCAGCAAGGAAA
TTGTACACACGTTTGGAGCAGCTGTTGAACTTACCCTTCTGCCCTGGTCCAGGAAATGGTGTCACTTCT
TAAAAAGCTACTCGAACCTAATCCAGACCAACGATTTTCTCAGTTATCTGATGTCCAGAACTTCCCGTAT
ATGAATGATATAAACTGGGATGCAGTTTTTTCAGAAAGGCTCATTCCAGTTTTCATTCTAATAAAGGCA
GGCTGAATTGTGATCCTACCTTTGAACTTGAGGAAATGATTTTGGAGTCCAAACCTCTACATAAGAAAA
AAAGCGTCTGGCAAAGAAGGAGAAGGATATGAGGAAATGCGATTCTTCTCAGACATGTCTTCTTCAAGAG
CACCTTGACTCTGTCCAGAAGGAGTTTCAATTTTCAACAGAGAAAAAGTAAACAGGGACTTTAACAAAA
GACAACCAATCTAGCCTTGGAAACAAACCAAGACCCACAAGTGACAAATGGACAAATGGACACAGGACT
CAGTGAGACTTTTTCAGACCTCGAAAGTTTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238024 representing NM_001287740
 Red=Cloning site Green=Tags(s)

MGANTSRKPPVFDENEDVNFDFEILRAIGKGSFGKVCIVQKNDTKKMYAMKYMNKQKCVERNEVRNVFK
 ELQIMQGLEHPFLVNLWYSFQDEEDMFVVLDLLGGDLRYHLQQNVHFKEETVKLFCIELVMALDYLNQ
 RIIHRDMKPDNILLDEHGHVHITDFNIAAMLPRETQITTMAGTKPYMAPEMFSSRKAGAGYSFAVDWWSLG
 VTAYELLRGRRPYHIRSSTSSKEIVHTFETTIVTYPYSAWSQEMVSLKLLLEPNPDQRFSQLSDVQNFY
 MNDINWDAVDFQKRLIPGFIPNKGRLNCDPTFELEMILESKPLHKKKRLLAKKEKMRKCDSSQTCLLQE
 HLDVSVQKEFIIFNREKVNRFNKRQPNLALAEQTKDPQVTNGQMDTGLSETFQTSKVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

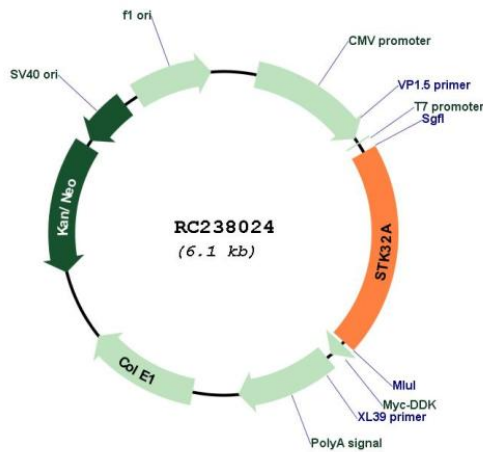
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001287740

ORF Size:	1221 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:	<ol style="list-style-type: none">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_001287740.2
RefSeq Size:	4923 bp
RefSeq ORF:	1224 bp
Locus ID:	202374
Cytogenetics:	5q32
Protein Families:	Druggable Genome, Protein Kinase
MW:	48 kDa