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Product datasheet for RG224449

STK32C (NM_173575) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK32C (NM_173575) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STK32C
Synonyms:	PKE; YANK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG224449 representing NM_173575
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAGTGGCGCCGAGCGCAGGGGCAGCAGCGCCGCGGCGTCCCCGGGCTCGCCGCCCCCCGGCCGCG
CGCGCCCCGCCGGCTCCGACGCGCCCTCGGCCCTGCCGCCGCCCGCTGCTGGCCAGCCCCGGGCCCGGGA
CTCGGGCGATGTCCGCTCGCAGCCGCGCCCCCTGTTTCAGTGGAGCAAGTGGAAGAAGAGGATGGGCTCG
TCCATGTCGGCGGCCACCGCGCGGAGGCCGGTGTTTGACGACAAGGAGGACGTGAACTTCGACCACTTCC
AGATCCTTCGGGCCATTGGGAAGGGCAGCTTTGGCAAGGTGTGCATTGTGCAGAAGCGGGACACGGAGAA
GATGTACGCCATGAAGTACATGAACAAGCAGCAGTGCATCGAGCGCGACGAGGTCCGCAACGTCTTCCGG
GAGCTGGAGATCCTGCAGGAGATCGAGCACGTCTTCCTGGTGAACCTCTGGTACTCCTTCCAGGACGAGG
AGGACATGTTCATGGTCGTGGACCTGCTACTGGGCGGGGACCTGCGCTACCACCTGCAGCAGAACGTGCA
GTTCTCCGAGGACACGGTGAGGCTGTACATCTGCGAGATGGCACTGGCTCTGGACTACCTGCGCGGCCAG
CACATCATCCACAGAGATGTCAAGCCTGACAACATTCTCCTGGATGAGAGAGGACATGCACACCTGACCG
ACTTCAACATTGCCACCATCATCAAGGACGGGGAGCGGGCGACGGCATTAGCAGGCACCAAGCCGTACAT
GGCTCCGGAGATCTTCCACTCTTTTGTCAACGGCGGGACCGGCTACTCCTTCGAGGTGGACTGGTGGTCG
GTGGGGGTGATGGCCTATGAGCTGCTGCGAGGATGGAGGCCCTATGACATCCACTCCAGCAACGCCGTGG
AGTCCCTGGTGCAGCTGTTCAGCACCGTGAGCGTCCAGTATGTCCCCACGTGGTCCAAGGAGATGGTGGC
CTTGCTGCGGAAGCTCCTCACTGTGAACCCCGAGCACCGGCTCTCCAGCCTCCAGGACGTGCAGGCAGCC
CCGGCGCTGGCCGGCGTGCTGTGGGACCACCTGAGCGAGAAGAGGGTGGAGCCGGGCTTCGTGCCCAACA
AAGGCCGTCTGCACTGCGACCCCACCTTTGAGCTGGAGGAGATGATCCTGGAGTCCAGGCCCCTGCACAA
GAAGAAGAAGCGTCTGGCCAAGAACAAGTCCCGGGACAACAGCAGGGACAGCTCCCAGTCCGAGAATGAC
TATCTTCAAGACTGCCTCGATGCCATCCAGCAAGACTTCGTGATTTTTAACAGAGAAAAGCTGAAGAGGA
GCCAGGACCTCCCGAGGGAGCCTCTCCCCGCCCCTGAGTCCAGGGATGCTGCGGAGCCTGTGGAGGACGA
GGCGGAACGCTCCGCCCTGCCCATGTGCGGCCCCATTTGCCCCTCGGCCGGGAGCGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

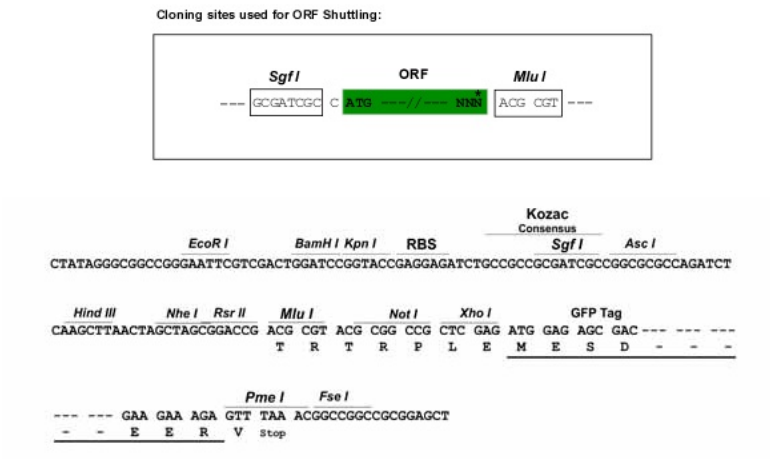
>RG224449 representing NM_173575
Red=Cloning site Green=Tags(s)

MRSGAERRGSSAAASPGSPPPGRARPAGSDAPSALPPPAAGQPRARDSGDVRSQPRPLFQWSKWKKRMGS
SMSAATARRPVFDDKEDVNFDHFQILRAIGKGSFGKVCIVQKRDTEKMYAMKYMNKQQCIERDEVRNVFR
ELEILQEIEHVFLVNLWYSFQDEEDMFMVVDLLLGGDLRYHLQQNVQFSEDTVRLYICEMALALDYLRGQ
HIIHRDVKPDNILLDERGHAHLTDFNIATIIKDGERATALAGTKPYMAPEIFHSFVNGGTGYSFEVDWWS
VGVMAYELLRGWRPYDIHSSNAVESLVQLFSTVSVQYVPTWSKEMVALLRKLLTVNPEHRLSSLQDVQAA
PALAGVLWDHLSEKRVEPGFVPNKGRLHCDPTFELEEMILESRPLHKKKKRLAKNKSRDNSRDSSQSEND
YLQDCLDAIQQDFVIFNREKLKRSQDLPREPLPAPESRDAAEPVEDEAERSALPMCGPICPSAGSG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



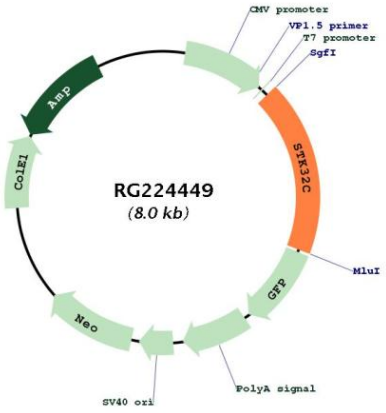
ACCN:	NM_173575
ORF Size:	1458 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_173575.4
RefSeq Size:	2141 bp
RefSeq ORF:	1461 bp
Locus ID:	282974
UniProt ID:	Q86UX6

Cytogenetics: 10q26.3

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: The protein encoded by this gene is a member of the serine/threonine protein kinase family. It is thought that this family member is functional in brain due to its high expression levels there. DNA methylation differences have been found in this gene in monozygotic twins that are discordant for adolescent depression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RG224449