

Product datasheet for **RG218770**

STK19 (NM_004197) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK19 (NM_004197) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STK19
Synonyms:	D6S60; D6S60E; G11; HLA-RP1; RP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218770 representing NM_004197 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCAAAAGTGGTTTTCTGCTTTCGATGATGCAATCATTAGCGACAGTGGCGGGCAAACCCCTCCCGGG
 GCGGGGGAGGTGTGAGCTTCACGAAGGAGGTTGACACCAACGTGGCCACCGGCCCTCCACGCCGCCA
 ACGAGTCCCCGGGCGTGCCTTGGAGGGAGCCAATCCGCGCGCGCGTGGGCCCCGGCCTGGCGGA
 GGTGATGCTGGAGGGACGCCGGGAGACCGTACGTCACTGCTCTGCGCCGAAGACCCTATTTTCAGGT
 TCTCTTCCCTCCATTCTACCCCTTCCCGGTACCATAAAATCCCGGGATATGAGCTGGAAGAGGCATCA
 CCTGATCCCGGAGACCTTTGGAGTTAAGAGGCGCGGAAGCGAGGGCCTGTGGAGTCGGATCCTCTTCGG
 GGTGAGCCAGGGTCGGCGCGCGCGCTGTCTCAGAACTCATGCAGCTGTTCCCGCGAGGCCTGTTTGAGG
 ACGCGCTGCCGCCATCGTGCTGAGGAGCCAGGTGTACAGCCTTGTGCCTGACAGGACCGTGGCCGACCG
 GCAGCTGAAGGAGCTTCAAGAGCAGGGGGAGATCAGAATCGTCCAGCTGGGCTTCGACTTGGATGCCAT
 GGAATTATCTTCACTGAGGACTACAGGACCAGAGTCCTCAAGGCCTGTGATGGCCGACCGTATGCTGGGG
 CAGTGCAGAAATTTCTAGCTTCAGTACTTCCAGCCTGTGGGGACCTAGTTTCCAGCAGGACCAAATGAC
 ACAGACCTTTGGCTTCAGGACTCAGAAATCACGCATCTGGTGAATGCTGGAGTCCTCACCGTCCGAGAT
 GCTGGGAGCTGGTGGCTAGCTGTGCCTGGAGCTGGGAGATTCATCAAGTACTTTGTTAAAGGGCGCCAGG
 CTGTCCTTAGCATGGTCCGGAAGGCAAAGTACCGGGAACCTGCTCTATCAGAGCTCCTGGGCCGGCGGGC
 GCCTGTGCTGGTGGCTTGGCCTCACCTACCATGTGCACGACCTCATTGGGGCCAGCTAGTGGACTGC
 ATCTCTACCATTTCAGGAACCTCCTCCGCTGCCAGAGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG218770 representing NM_004197
 Red=Cloning site Green=Tags(s)

MQKWFSAFDDAIQRQWRANPSRGGGVSTKEVDTNVATGAPRRQRPVGRACPWREPIRGRGARPGG
 GDAGGTPGETVRHCSAPEDIIFRSSLHSYPFPGTIKSRDMSWKRHHLPETFGVKRRRKRGPVESDPLR
 GEPGSARAASVSELMQLFPRGLFEDALPPIVLRSSQVYSLVPDRTVADRQLKELQEQEIRIVQLGFDLDAH
 GIIFTEDYRTRVLKACDGRPYAGAVQKFLASVLPACGDLFSFQQDQMTQTFGFRDSEITHLVNAGVLTVRD
 AGSWWLA VPGAGRF IKYFVKGRQAVLSMVRKAKYRELLSELLGRRAPVVRLGLTYHVHDLIGAQLVDC
 ISTTSGTLLRLPET

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_004197

ORF Size: 1092 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_004197.1](#), [NP_004188.1](#)

RefSeq Size: 1620 bp

RefSeq ORF: 765 bp

Locus ID: 8859

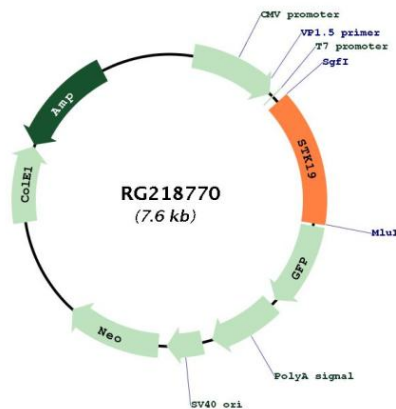
UniProt ID: [P49842](#)

Cytogenetics: 6p21.33

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: This gene encodes a serine/threonine kinase which localizes predominantly to the nucleus. Its specific function is unknown; it is possible that phosphorylation of this protein is involved in transcriptional regulation. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6 and expresses two transcript variants. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218770