

Product datasheet for SC310479

STK19 (NM_032454) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK19 (NM_032454) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK19
Synonyms:	D6S60; D6S60E; G11; HLA-RP1; RP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310479 representing NM_032454. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAAAAGTGGTTTTCTGCTTTCGATGATGCAATCATTACGCGACAGTGGCGGGCAAACCCCTCCCGG
GGCGGGGAGGTGTGAGCTTCACGAAGGAGGTTGACACCAACGTGGCCACCGGCGCCCTCCACGCCGC
CAACGAGTCCCCGGCGTGCCTGCCCTTGGAGGGAGCCAATCCGCGCCGGCGTGGGGCCCGCCTGGC
GGAGGTGATGCTGGAGGGACGCCGGGAGACCGTACGTACTGCTCTGCCCGGAAGACCCTATTTTC
AGGTTCTCTTCCCTCCATTCTACCCTTCCCCGGTACCATAAAATCCCGGGATATGAGCTGGAAGAGG
CATCACCTGATCCCGGAGACCTTTGGAGTTAAGAGGCGGCGGAAGCGAGGGCCTGTGGAGTCGGATCCT
CTTCGGGGTGGAGCAGGTCGGCGCGCGCGGTGTCTCAGAACTCATGCAGCTGTCCCGCGAGGCCTG
TTTGAGGACGCGCTGCCGCCATCGTGCTGAGGAGCCAGGTGTACAGCCTTGTGCCTGACAGGACCGTG
GCCGACCGGACGCTGAAGGAGCTTCAAGAGCAGGGGAGATCAGAATCGTCCAGCTGGGCTTCGACTTG
GATGCCCATGGAATTATCTTCACTGAGGACTACAGGACCAGAGTATGTGACTGTGTCTCAAGGCCTGT
GATGGCCGACCGTATGCTGGGCGAGTGCAGAAATTTCTAGCTTCACTACTCCAGCCTGTGGGACCTT
AGTTTCCAGCAGGACCAAATGACACAGACCTTTGGCTTCAAGGACTCAGAAATCACGCATCTGGTGAAT
GCTGGAGTCTCACCGTCCGAGATGCTGGGAGCTGGTGGTAGCTGTGCCTGGAGCTGGGAGATTCATC
AAGTACTTTGTTAAAGGGCGCCAGGCTGCTTTCAGTGGTCCGGAAGGCAAAGTACCGGAACTGCTC
CTATCAGAGCTCCTGGCGCGCGGCGCCTGTCTGTTGGTGGGCTTGGCCTCACCTACCATGTGCAGGAC
CTCATTGGGGCCAGCTAGTGGACTGCATCTTACCACCTCAGGAACCCCTCCCGCTGCCAGAGACA
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:	□
ACCN:	NM_032454
Insert Size:	1107 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_032454.1
RefSeq Size:	1632 bp
RefSeq ORF:	1107 bp
Locus ID:	8859
UniProt ID:	P49842
Cytogenetics:	6p21.33
Protein Families:	Druggable Genome, Protein Kinase
MW:	40.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) represents the longest transcript and encodes the longest isoform (2). Although isoforms 1 and 2 differ in the kinase domain, it appears that there is no difference in kinase activity between isoforms 1 and 2.</p>