

Product datasheet for SC301388

STK16 (NM_001008910) Human Untagged Clone

Product data:

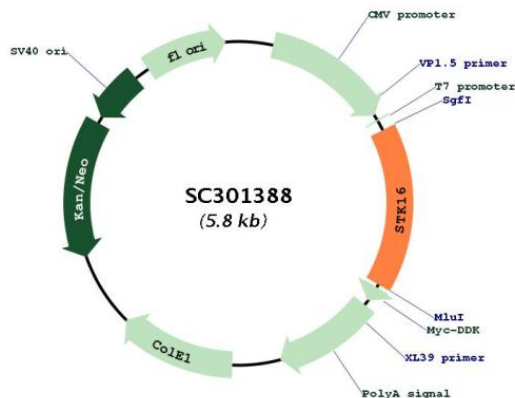
Product Type:	Expression Plasmids
Product Name:	STK16 (NM_001008910) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK16
Synonyms:	hPSK; KRCT; MPSK; PKL12; PSK; TSF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301388 representing NM_001008910. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGGCCACGCGCTGTGTCTGCTCTCGGGAACTGTCATCATTGACAATAAGCGCTACCTCTTCATC
CAGAAACTGGGGAGGGTGGGTT CAGCTATGTGGACCTAGTGGAAGGTTACATGATGGACACTTCTAC
GCCCTGAAGCGAATCCTGTGTCACGAGCAGCAGGACCGGGAGGAGGCCAGCGAGAAGCCGACATGCAT
CGCCTCTCAATCACCCCAACATCCTTCGCCTCGTGGCTTACTGTCTGAGGGAACGGGTGCTAAGCAT
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AAAGGCAACTTCTGACCGAGGATCAAATCCTTTGGCTGCTGCTGGGATCTGCAGAGGCCTTGAGGCC
ATTCATGCCAAGGTTATGCCACAGAGACTTGAAGCCCAACATATATTGCTTGAGATGAGGGGCAG
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AGCATCCCACAAAGCCCCAGGCATTCTTCAGCATTGCGGCAGCTCCTGAACTCGATGATGACCGTGGAC
CCGCATCAGCGTCTCACATTCTCTCCTCCTCAGTCAGTGGAGGCGCTGCAGCCCCAGCTCCTGGC
CAACATACTACCCAAATCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001008910

Insert Size: 918 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:

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_001008910.2](#)

RefSeq Size: 2903 bp

RefSeq ORF: 918 bp

Locus ID:	8576
UniProt ID:	O75716
Cytogenetics:	2q35
Protein Families:	Druggable Genome, Protein Kinase
MW:	34.7 kDa
Gene Summary:	<p>Membrane-associated protein kinase that phosphorylates on serine and threonine residues. In vitro substrates include DRG1, ENO1 and EIF4EBP1. Also autophosphorylates. May be involved in secretory vesicle trafficking or intracellular signaling. May have a role in regulating stromal-epithelial interactions that occur during ductal morphogenesis in the mammary gland. May be involved in TGF-beta signaling. Able to autophosphorylate on Tyr residue; it is however unclear whether it has tyrosine-protein kinase toward other proteins.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest protein (isoform 1).</p>