

## Product datasheet for RC205254

### STK36 (NM\_015690) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STK36 (NM\_015690) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** STK36  
**Synonyms:** FU  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC205254 representing NM\_015690  
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

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 CTGCATACTATGAAGTGGCAGTAGGCACCCCTCCCTTCTATGTACAAGCATCTTTCAGCTGGTCAGC  
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CAACAGGAGCCTGGCATCCATCAGGTAAGTGTCCCTGGGTGCCAGTGAGAACTATCCTGTCTCTC  
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**Protein Sequence:** >RC205254 representing NM\_015690  
 Red=Cloning site Green=Tags(s)

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TPPGSCGFYDGLLILLLQLL TEQGKASLIRDMSSSEMWTVLWHRFSMVLRLPEEASAEQEGELSLSPSP
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VLSVCQLL CFPFALDMDADLLIGVLADLRDSEVAHLLQVCCYHLPLMQVELPISLLTRLALMDPTSLNQ
FVNTVSASPRTI VSFSLVALLSDQPLL TSDLLSLLAHTARVLSPSHLSFIQELLAGSDESYRPLRSLGH
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```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

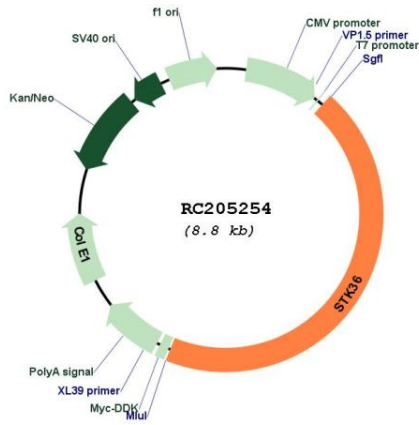


**ACCN:** NM\_015690

**ORF Size:** 3945 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_015690.5</a>
<b>RefSeq Size:</b>	4887 bp
<b>RefSeq ORF:</b>	3948 bp
<b>Locus ID:</b>	27148
<b>UniProt ID:</b>	<a href="#">Q9NRP7</a>
<b>Cytogenetics:</b>	2q35
<b>Domains:</b>	pkinase, TyrKc, S_TKc
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer
<b>MW:</b>	143.8 kDa
<b>Gene Summary:</b>	This gene encodes a member of the serine/threonine kinase family of enzymes. This family member is similar to a Drosophila protein that plays a key role in the Hedgehog signaling pathway. This human protein is a positive regulator of the GLI zinc-finger transcription factors. Knockout studies of the homologous mouse gene suggest that defects in this human gene may lead to congenital hydrocephalus, possibly due to a functional defect in motile cilia. Because Hedgehog signaling is frequently activated in certain kinds of gastrointestinal cancers, it has been suggested that this gene is a target for the treatment of these cancers. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC205254