

Product datasheet for **RC205504**

STK11IP (NM_052902) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK11IP (NM_052902) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STK11IP
Synonyms:	LIP1; LKB1IP; STK11IP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205504 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTTCCGGCTCCGCCCCCAGCGTCCCGTGGCCATGACGACCGCTCAGAGGGACTCCCTGTTGTGGAAGC
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CAGGAGTCAACACAGAAAATGTCAGAGGAGGTCAGGGCAGAGCCACAGGAGGAGGAAGAGGAGAAGGAGG
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Protein Sequence:

>RC205504 protein sequence

Red=Cloning site Green=Tags(s)

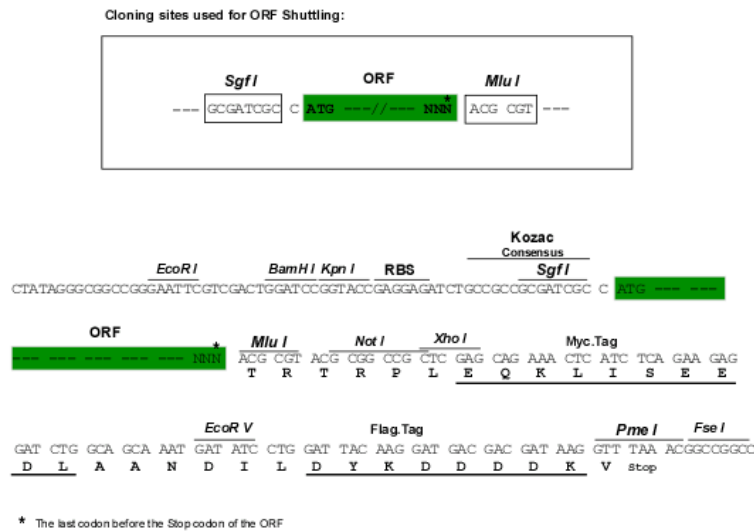
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YSQLETILICSRSLQALEELLACGGDFCSALPWLALLSANFSYNALTALDSSLRLLSALRFLNLSHNQVQ
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STLFLLEDAAAGSPAEPSPPAASGEASEKVPPSGPGPAVRVREQQPLSSSVLLYRSAPEDLRLLFYDE
VSRLESFVALRVVCQEQLTALLAWIREPWEEFVSVGLRTVIQEALALDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6141_g09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_052902

ORF Size: 3297 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.

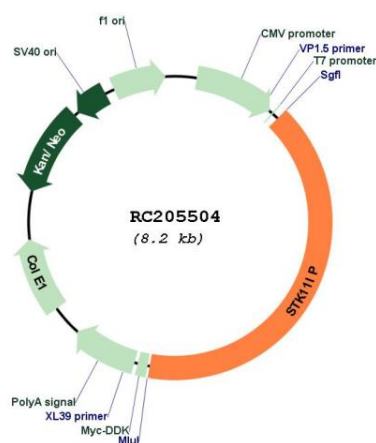
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_052902.1](#), [NP_443134.1](#)

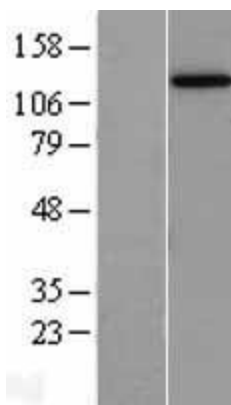
RefSeq Size: 3602 bp

RefSeq ORF:	3267 bp
Locus ID:	114790
UniProt ID:	Q8N1F8
Cytogenetics:	2q35
Domains:	LRR
Protein Families:	Druggable Genome
MW:	121.3 kDa
Gene Summary:	May regulate STK11/LKB1 function by controlling its subcellular localization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205504



Western blot validation of overexpression lysate (Cat# [LY403266]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205504 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).