

## Product datasheet for RR211390

### Stk40 (NM\_183056) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stk40 (NM_183056) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk40
Synonyms:	Lyk4; RGD1307310
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211390 representing NM_183056 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGCGGAGAGCATCAGACAGAGGAGCTGGGGAGACGTCGGCCAAGGCCAGGCTCTAGGGACTGGCA  
TTGCTGGAATAATGCAAAGAGAGCAGGACCGTTCATCCTGGGTCCCCGCTGGGCAACTCACCGGTACC  
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TCAAAGAGAAGCGGCTCAGTGAGCGTGAGACTGTGGTCAATTTCTATGATGTAGTCCGTGTGGTGAAGC  
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CGGATAACTATCACCAACTTCTGCCTTGGAAAGCACCTTGTGAGTGAGGGGGACCTGCTGAAGGACCAGA  
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ATCGATGACCAATGAGCAGCTCTGACAGCTCCCAGGAGGCAAAGGTCACAGAGGAATGCTCCCAGTACG  
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CTGGGTACCAAGCGGCAGTTTGGTAGCATGCCACCCGTCGACGGCTAGGCCACGATGCACAGCCAATG  
ACCTCCTTGGACACAGCCATCCTGGCACACGCTATCTGCGGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR211390 representing NM\_183056  
 Red=Cloning site Green=Tags(s)

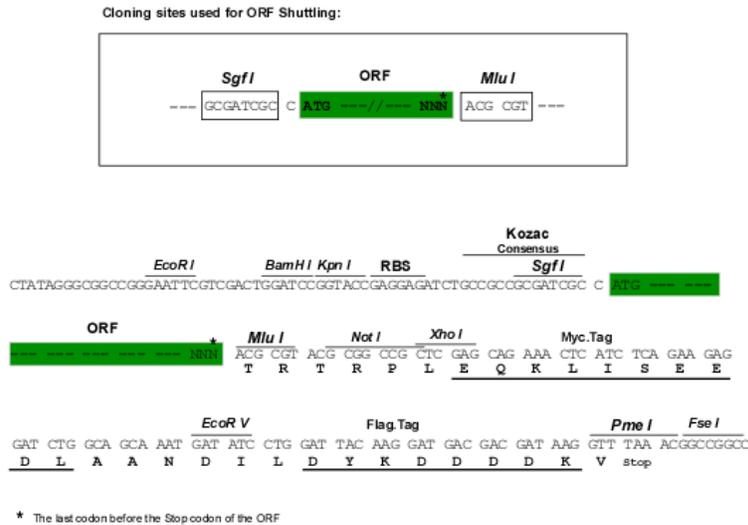
MKRRASDRGAGETSAKAQALGTGIAGNNAKRAGPFILGPRLGNSPVPSIVQCLARKDGTDDFYQLKILTL  
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 LDCLCAHDFSDKTADLINLQHYVIKEKRLSERETVVIFYDVVRVVEALHQKNIIVHRDLKLGNMVLNKRTH  
 RITITNFC LGKHLVSEGDLLKDQRGSPAYISPDVLSGRPYRGKPSDMWALGVVLF TMLYQGQFFYDSIPQ  
 ELFRKIKAAEYTI PEDGRVSENTVCLIRKLLVLDPPQRLAAADVLEALS AIIASWQSLSSL SGPLQVVPD  
 IDDMSSSDSSQEAKVTEEC SQYEFENYMRQ LLLAEEKSSIHEARTWV PKRQFGSMPPVRR LGHDAQPM  
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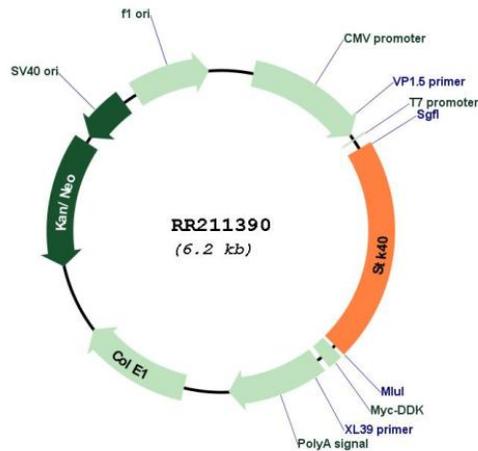
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_183056

<b>ORF Size:</b>	1305 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_183056.2</a> , <a href="#">NP_898879.2</a>
<b>RefSeq Size:</b>	3495 bp
<b>RefSeq ORF:</b>	1308 bp
<b>Locus ID:</b>	360230
<b>UniProt ID:</b>	<a href="#">Q7TNL4</a>
<b>Cytogenetics:</b>	5q36
<b>MW:</b>	49 kDa
<b>Gene Summary:</b>	May be a negative regulator of NF-kappa-B and p53-mediated gene transcription. [UniProtKB/Swiss-Prot Function]