

Product datasheet for **RR205341**

Ssh3 (NM_001012217) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssh3 (NM_001012217) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ssh3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR205341 representing NM_001012217
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGCTGGTCACAGTGAAGTGCCTCGCCACCGCAAGTGGCACTCCACGCCTGTGGGACCCACGGACC
GAGTGATAAGACGCAGAGGCCGGCTCCAACGCAGGCAGAGTTTTGCTGTTCTCCGAGGGGCTGTCCTGGG
ACTTCAGGATGGAGGGGAAGGGAATGATGCAGCTGAGGCTGACCCTGAGCCAATGGAGAAGCCCTCAGGT
GAGGAGCAGCCCGCTGAGGACCAGACTGACAACGGGCAAGGGTCCAGAGTCCCTGGAAACAAGTGCAGA
AGCGGCACCTGCACCTTATGGTGGAGCTGCTGAGGCCACAGGATGATATCCGCCTGGCAGCCAGCTGGA
GGCAGCCCGACCCCAAGGCTTCGCTATCTGCTGGTAGTGTCCACAGGAGAGGGTCTGAGTGAGGAGGAG
ACCATCCTTCTGGGGTGGACTTCCTGACAGCAGTTCACACAGCTGCACCCTGGGCTGGTCTTGCCCC
TCTGGAGTGATACCCAGGTGTACCTGGATGGTGTGGGGCTTCAGTGTGACATCTGGTGGTCTGAGCCG
AATCTTCAAGCCTGTCTCTATCCAGACCATGTGGGCCACACTGCAGGTATTGCACCAGGCATGTGAGGTG
GCTCTAGGCAGTGGCCTTGTGCCTGGTGGCAGTGCCTTGCCTGGGCCACTCACTACCAGGAGAACTGA
ACTCTGACCAGGGTTGCCTCAATGAGTGGATGGCCATGTCTGACCTGGAGTCTTTCGACCACCTAATGC
TGAGCCTGGACAGGCTTCAGAACAAGAGCAGATGGAACAGGCAATCTTGGCTGAATTGTGGCAGGTGTTG
GATGCCAGTGACCTGGACAGTGTACGTCTAAAGAGATCCGTGAGCCCTGGAGCTGCGTCTAGGATGCC
CTCTCCAGCAGTACCGTGACTTTATTGACAACCAGATGCTGCTGCTCATGGCCAGCAAGACCGGGCCTC
CCGCATCTCCCCACCTCTACTTGGGTCTGAATGGAATGCTGCCAACCTGGAGAACTTCAGAGAAAC
AGGTAAGTACATCCTGAACATGGCCCGGAGATTGACAACCTCTTCCCCGAACGATTCACCTATCACA
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GAAGCCAGGAAACCCAAAAGAAGAGCTTGGACTGCGGCCCGCATCAACCTCCGGGGGTCATGCGCTC
CATCAGTCTTCTGGAGCCCTCTCAGAGCCAGAGAGTACCACAGAGGCTGGAGACCTGCCAGAAGTTTTC
TCTTCTGATGAAGAACCTCTTATCCCTTCTCTCAGCTTCAAGAGCCAAAGGTGCCAGCGGGTCTGCA
AGGGACCTTGGCCTGCCCTGAAGTCTCGACAGTCTGTGGTTGCCCTTCATAGTGTGCCCTGGTGGCTAG
CAGGGCACGAGCCTTCCAGGGGCAAGGGCAAGGGCAGGGCCAAGAGCAGAGGGGAGACTGGTACATCTTCT
ACACCTAGGCTCCGGAAGGTGATAAGGCAGGCCAGTGTAGATGACAGCAGGGAGGAGGGCAAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205341 representing NM_001012217
 Red=Cloning site Green=Tags(s)

MALVTVSRSPASGHSTPVGPTDRVIRRRGRLQRRQSFVLRGAVLGLQDGGEGNDAAEADPEPMEKPSG
 EEQPAEDQTDNGQGSQSPWKQVQKRHLHLMVELLRPQDDIRLAAQLEAARPPRLRYLLVVSTGEGLSEEE
 TILLGVDFPDSSSHSCTLGLVLPLWSDTQVYLDGDDGGFSVTSGGQSRIFKPVSIQTMWATLQVLHQACEV
 ALGSGLVPGGSALAWATHYQEKLNSDQGLNEWMAMSDLESFRPPNAEPGQASEQEQMEQAIALAELWQVL
 DASDLDSVTSKEIRQALERLGCLPQQYRDFIDNQMLLLMAQQDRASRIFPHLYLGEWNAANLEELQRN
 RVSHILNMAREIDNFFPERFTYHNVRVWDEESAQLLPHWKETHRFIEDARAQGTRVLVHCKMGVSRSAAT
 VLAYAMKQYGWLEQALIHVQELRPIVRPNPGFLRQLQTYQGILTASRQSHVWEQKVGVSPEEPLAPEV
 STPLPPLPPEPGSGEGMVMGQKGSQETPKEELGLRPRINLRGVMRSISLLEPSSEPESTTEAGDLPEVF
 SSDEEPLHPFSQLSRAKGGQRVCKGPWPAKSRQSVVALHSAALVASRARAFQGGQGGQEQRETGTSS
 TPRLRKVIRQASVDDSRREGKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

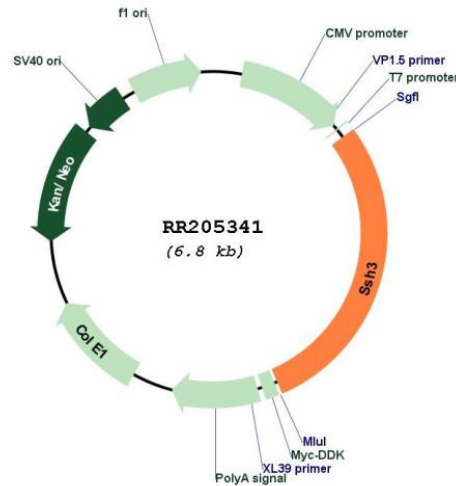
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012217

ORF Size: 1956 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.

RefSeq: [NM_001012217.1](#), [NP_001012217.1](#)

RefSeq Size: 2722 bp

RefSeq ORF: 1959 bp

Locus ID: 365396

UniProt ID: [Q5XIS1](#)

Cytogenetics: 1q43

MW: 72.1 kDa

Gene Summary: Protein phosphatase which may play a role in the regulation of actin filament dynamics. Can dephosphorylate and activate the actin binding/depolymerizing factor cofilin, which subsequently binds to actin filaments and stimulates their disassembly (By similarity). [UniProtKB/Swiss-Prot Function]