

Product datasheet for **RR200611**

Spag16 (NM_001134728) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spag16 (NM_001134728) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Spag16
Synonyms: RGD1565062
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200611 representing NM_001134728
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAACCTGATCCAACTTGACTGCATGTACAGAGAGCCTCCGACTGCAAAATTTGACTACAGGCTAA
ACAACATTTTCAGACTTCATGAACTCCCAGTGAGCTGTATCGTCATGCACCCCTTCAGAGACTATCTGGT
CTCCTGTAGTGAGGATCGTCTCTGGAAGATGGTGGCCCTCCCAAAGGGCAATGTAATTTACGGGATCT
GGCCACAGTGACTGGCTGTCCGACTGCTGTTCCATCCGAGTGGCAGCAAATGGCTACCTCAAGTGGT
ACAGCACAAATTAAGTGTGGGATCTCTCAAAGGTGAATGCATCTTGACCTTCGACAGGACACAACCATGC
CATATGGTCTGCACATGGCACTCTTGTGGTGATTTCTGTGGCTTCTGCCTCACTGGATATGACAAGTAAA
ATCTGGGATGTTAATAGTGAGCGGTGCAGATATACTTTGTATGGACACACGGACTCTGTGAACAGCATTG
AGTTTTTCCCTTCTCCAACACTCTTCTCACGGCTTCTGCAGACAAGACCTTGTCTGTGTGGGATGCACG
AACAGGTAATGTGAGCAGTCTCTGTATGGCCACATGCACTCCGTCAATGATGCCACCTTCACACCTAGG
GGTCACATACTAGCATCCTGTGATTTCCCGTGGAGTTATAAAGCTATGGGACTTCGGGAAGCTCATTCCAA
TCGTGTCCATTGATGTGGTCCAAGTCCGGCAACGAGGTGAATTTTGACCCATCAGGTCGAGTTTGTAGC
TCAGGCGAGTGCCAACGGGATTATCCATTTGCTGGATCTTAAATCTGGGCAAATTCACAAACTGGTGGGC
CATGAGAGTGAAGTGCACACTGTGATATTTTCCACCGTGCAGAGAATCTGTACTCTGGTGGTTCTGACG
GCACCATTCGGTTGTGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200611 representing NM_001134728
Red=Cloning site Green=Tags(s)

MQPDPNLTACTESLPTAKFDYRLNNIIFRLHELPLVSCIVMHPFRDYLVSCSEDRLWKMVGLPKGNVILTGS
 GHSDWLSGCCFHPSPGSKLATSSGDSTIKLWLSKGECILTFAGHNHAIWCTWHSCGDFVASASLDMTSK
 IWDVNSERCRYTLYGHTDSVNSIEFFPFNTLLTASADKTLVWDARTGKCEQSLYGHMHSVNDATFTPR
 GHILASCD SRGVIKLWDFRKLPIVSIIDVGPSPGNEVNFDP SGRVLAQASANGIHLDDLKSGQIHKLVG
 HESEVHTVIFSHRAENLYSGGSDGTIRLWL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

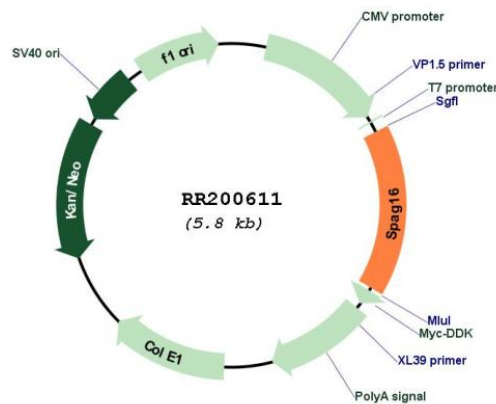
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134728

ORF Size: 930 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:	<ol style="list-style-type: none"> 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:	<u>NM_001134728.1, NP_001128200.1</u>
RefSeq Size:	1579 bp
RefSeq ORF:	933 bp
Locus ID:	501158
Cytogenetics:	9q33
MW:	34.3 kDa