

Product datasheet for **RR214057**

Spag6 (NM_001034960) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spag6 (NM_001034960) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spag6
Synonyms:	RGD1310892
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR214057 representing NM_001034960
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCAGCGGCAGGTGCTTCAAGTGTTCGAGCAGTACCAGAAAGCCCGACGCAATTCGTGCAGATGG
 TGGCAGAGCTGGCGACCGACCCAAAACATAGAAACGCTACAGAATGCAGGTGTAAATGTCTTTGCTAAG
 GCCGCTTCTTCTGGATGTGGTCCCAACAATTCAACAGACTGCTGCTTTGGCTCTGGGAGACTGGCGAAT
 TACAATGATGACCTGGCAGAAGCAGTTGTGAAGGGCGACATTCTCCACAGCTTGTTTATTCATTGGCAG
 AACAAAATCGTTTCTACAAAAGGCAGCTGCCTTTGTGCTGAGAGCAGTTGGTAAACACTCTCCTCAGCT
 GGCCAGGCCATAGTTGACTGTGGAGCTCTGGATACACTGGTGATATGCTTGGAGGATTTTGACCCTGGA
 GTCAAGGAGGCTGCAGCCTGGGCACTTGGATATATTGCAAGACACAATACAGAATTATCTCAAGCTGTGG
 TGGATGCAGGAGCAATTCCTCTTTTGGTCTGTGTATCCAGGAGCCAGAAATGCTTTGAAAAGGATTGC
 TGCTCGGCCCTCAGTGATATCTCAAAGCACTCCCAGAGTTAGCGCAGACAGTGGTGGATGCCGGAGCC
 ATTGCTACCTAGCCAGATGATCCTCAACCCTGATGCCAACTGAAGCGCCAGGTACTCTCAGCTCTCA
 GTCAGATTGCAAAAACACTCTGTGGACTGGCAGAGATGGTCGTTGAAGCAGAAATTTTCCCTGTTGTA
 AACCTGCCTGAAGGACAAAGATGAATATGTGAAGAAAAATGCTTGCACCTTAATTAGAGAAATGCAAAA
 CATACGCCTGAGCTCTCCAGCTGATTGTTAATGCCGGAGGTGTGGCTGTGATTGACTGCATCGGAT
 CCAGCAAAGGGAACATACGGCTCCCTGGCATCATGATGCTGGGCTATGTGGCTGCTCATTCTGAGAACCT
 GGCCATGGCGGTGATCATCTCAAGGGTGTACCCAGTTGTCAATCTGCCTGTGAGAGGAACCAGAAGAT
 CATATTAAGGCTGCTGCTGCCTGGGCCCTGGGGCAGCTGGGAAGACACACTCCAGAGCATGCCAGGGCTG
 TAGCTGTACAAAACACTCTGCCAGTTCTCCTGTCTTTGTACATGTCAGCAGAGAGCTCTGAGGACCTCA
 GCTGAAGAGTAAAAAAGCCATAAAGAACATCCTTCAAAAATGTACCTACCTACCAGCCCTCGAGCCATTC
 TTGTACGATGCACCTCCCAATATCCTGAAACATGTTGTTGGGCGAGTTCAGTAAGGTGCTGCCACAGACA
 GCAAAGCCCGACGGCTTTTTGTGACAAGTGGTGGACTTAAAAAGGTCCAGGAGATAAAGCAGAGCCAGG
 CTCTCTCTGCAGGAATACATCAACAGCATCAACAATTGCTACCCAGAAGAAATAGTAAGGTATTATTCC
 CCTGGATACTCTGAGACACTTCTGCAGAGGGTGGACAGCTACCAGCCACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214057 representing NM_001034960
 Red=Cloning site Green=Tags(s)

MSQRQVLQVFEQYQKARTQFVQMVAEATRPNQIETLQNAGVMSLLRPLLLDVVPTIQQTAAALGRLAN
 YNDLAEAVVKGDILPQLVYSLAEQNRFYKAAAFVLRVAVGKHSPQLAQAIVDGALDTLVICLEDVDPG
 VKEAAAALWALGYIARHNTLSQAVVDAGAIPLLVLCIQEPEIALKRIAASALSDISKHPELAQTVDAGA
 IAHLAQMILNPDAKLKRQVLSALSQIAKHSVDLAEMVVEAEIFPVVLTCLKDKDEYVKNACTLIREIAK
 HTPELSQLIVNAGGVAVIDCIGSSKGNIRLPGIMMLGYVAAHSENLAMAVIISKGVPLSICLSEEPED
 HIKAAAALWALGQLGRHTPEHARAVAVTNTLPVLLSLYMSAESSEDLQLKSKKAIKNILQKCTYLPALPEP
 LYDAPPNLIKHVVGQFSKVLPHDSKARRL FVTSGLLKKVQEIKAEPSLLQEYINSINNCYP EEIVRYS
 PGYSETLLQRVDSYQPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

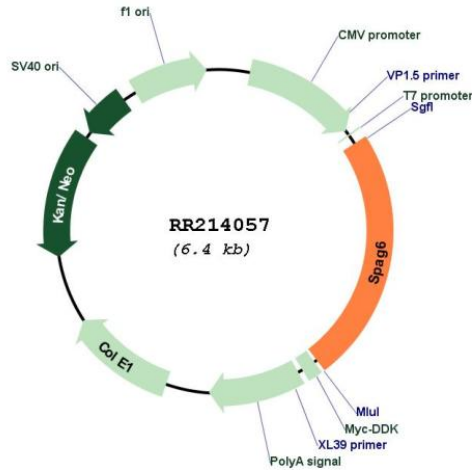
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001034960

ORF Size: 1521 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_001034960.1](#), [NP_001030132.1](#)

RefSeq Size: 2417 bp

RefSeq ORF: 1524 bp

Locus ID: 360747

Cytogenetics: 11q23

MW: 55.3 kDa