

## Product datasheet for **RN203082**

### Spag5 (NM\_001044224) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spag5 (NM_001044224) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Spag5
Synonyms:	Deepest
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203082 representing NM_001044224 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTGGAGGGTAAAACTGAATCTCGGCTTGTGCGCTTCGCCCAATCGGGAAACCAGCTATGAGAA  
CTCCTCTCCGAGAGCTTAACTACAGCCCGAGGCCCTCGCTGATTCAGGGAAAGGTCCTATGTTCTCCTC  
GCTGACCCATACCTGCGCAGGCTGGATCTGAAGGAAAGGCGCAACAGCTCATCTCCAGTGAATTTTGT  
AATGCAGAGAAGCTCATCTCCAGTGGATTTGTCAATACTGAGAACACATCTCCAGTGGATTTGACAATA  
CTGAGAACAACCTCCTTTGAGAAGCTTCCAGTACATAGAAGCTTGTGAGCGTGAATC  
AGATCTAACTCCTGAAAGCAGCTCTCCTTTCAACACACTGGAGAAGGCAGTGGAAAGCAATGGATGATTTT  
GTGGCAGAACCAATAGATGACGGTATAGTTAAGACCATGGTTCTTTTACCTTTTCTTAGGGCAGCAGC  
AAGACCTGATGCTCCAGGCTCACTTAGATACCACAGCAGAGAGAAATAAAAGCTCTCTAAAAGAATCTTT  
GGGGCTAGAAGACCTGGTGGAAAAGGAGGCGGCACCTTGTGTGGAAGACAGCTTACCAGAAACTGTTGCT  
ATCAGGCCTGAGCAACCCATCTCTCAGGACCTCCATTAAGAGACAGTAACTGAACTGACCTGCGG  
GCTCAGTTCCTTCTGAAAATGTCTTGGGTTTCACTGTGGCTTGTCTCTCCCTCAACTGTCTTGACCAA  
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AGCTGCAAGCCTGGAAGAGTCAAGTGTCCGAGCCGGCAAGCTCAAGACAGCAGCACAGACCGCA  
CAGCTCTGCAGCTGTGGTCACTAAGACACCTAAACATCTTCAGGACAGCAAGGAGATTCCAGAGGCTCTA  
CTGCAAGCCAGGAATGTCATACATTCATGGGGGCTAGTCTCTAGAGACCTGATGTCTTGTCTCACCTGT



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CCCTGACACATGTGCAAGATGACAGAGTGACAGTGAGTCAGGAGTCTCAGCGTGCAGAGACCCTGGTTTC
CTCCTGTTCTCGTGAAGAAATTGAGGGCAAAGCTCCAGAGCCTCAAAACAGAATGGGAGGAGGCA
CGGCACAGGGAGGAAATGGCCCTTAAAGGCAAGGATGCGGCAGAGGCAGTACTGGAGGCTTCCGTGCAC
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AGACCATGGAGTTGTAGATGAAGAGAGTCAAGTTGCTCACCTGGAGCTGGCCAGATCGAGAGTCAGTT
GAAAGCCACACTAGAAGTTCTGCGGGAGCGCAGCCTGCAGTGTGAGACCCTCAAGGACACCGTGGAGAGC
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CTAAAGAGCTGTGTCTATTGGCGGAGCAGCTACAGAGTCTCACCCCTTCTTAGAGGCTAAACTAGAGGA
GAACAAGGCAGAATCAGACATCATTCTGCCAGCAGAGGCTGTGCTCCAGCCCAGGAACACCCTCCTTCC
AGTGATAGCAGCGTCTCAGAACAGATCCCGACAGCAGTGGTAGATGAAGTGCCAGAACCAGCTCCTGTGC
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CCCAGCCCTGGAGAAGAGCCTGGCAGAAATGAGTGCTGTGTTACAGGAGCTTCAACGCCTCTGTGCCCTG
CTGCAAGAATCTAAAGAGGAAGCCGTTGGTGTCTGCAGAGGGAAATCTGTGAAGTGCACACAAGACTAC
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CTTGTGCTTGCGCCACAAGAATGAGAAGGAAGTCTGGAAGTGTACAGAAGCAGAACGAAAAGATCCTG
GGGCAGATAGACACGAGTGGCCAGCTCATAAACCTCAGGGAGGAGGTGACCCAGCTTACAGGTTTACTTC
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GATGGCTACTAACTGGATCCAGGAAAAAGTGTCTCTCGCAGGAGGTGAACAACTGAGGGCTATGTTTC
CTGGAGGTGAAAAATGAGAAGAAACAGCTGATGGACAAGTATCTGAGCCATAGGCACATCCTGGAGGAGA
ATCTTCGGCGCTCTGACACAGAGTTAAAGAACTTGTATGACACAATTGAGCATATCTATGAGACTCTGTT
GTCTATCCAGAGGTAGTGAAGAGTTGCAAGGAGCTACAAGGATTGCTAGAATTTCTGAGCTAA

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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001044224
- Insert Size:** 3564 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001044224.1](#), [NP\\_001037689.1](#)

**RefSeq Size:** 3881 bp

**RefSeq ORF:** 3564 bp

**Locus ID:** 252918

**Cytogenetics:** 10q25

**Gene Summary:** C-terminal has two leucine zippers which are involved in sperm tail protein interactions [RGD, Feb 2006]