

Product datasheet for **RN209189**

Spag4 (NM_031792) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spag4 (NM_031792) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Spag4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN209189 representing NM_031792
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCGGCGGAACCCCGCCAGGCTCGGCCGATCCTCCACAATCACACACCAACTTCTACAGCGAGA
 ACAGCAATAGTTCCACAGCGGACTTCGGGGGACAGCAATGGGCGCGGTCCGCTGGGCCGGAGCTCGG
 GGAGCCCGATGGCAGAATGGCCCGGGCTCCAGCTGTGGTGAGCCCGCCTTAAGCTCAGGAGTGCCCGGA
 GGAGACACATGGGCAGGAAGCTCTCGGCCGAAGCTGGCGCTCGGAGCCACAATGGGCAGACCGCTGTG
 GCGCGGAACCGTGAGGGGCGGGCCTCGGAACCGTCTGGGTCTCCTGCAGTCTTGAGGAACAACCTCAA
 CCTTCTCCCGATACTGGATCTGAGGCAGGAGATGCCTCCCCCGCGGTGTCCAAGAGCTTCTGAGCCTC
 TTCTTTCAGGTGCTCAGCGTGTTCCTTGGTAGCCGACGGGCTGGTCTGTGTGTACAGGGAAATCT
 GCTCCATCCGCTTCTGTTCACCGCTGTGTCGCTCCTGAGCATTTTCTGGCAGCACTCTGGTGGGGCT
 CCTGTACCTGATCCCTCCTTTGGAGAATGAACCTAAGGAGATGCTGACTCTAAGCCAATACCACCACCGC
 GTGCACTCCCAGGGCCAGCAACTGCAGCAGCTCCAGGCAGAACTGAGTAACTCCACAAGGAGGTACCA
 GTGTTCTGTGCAGCCACAGTGAGAGAGTGGCCAAGCTCGTGTTCAGAGGCTGAATGAGGACTTCGTGCG
 CAAGCCTGACTATGCATTGAGCTCTGTGGGAGCCTCCATCGACCTGGAGAAGACATCCAGTGACTACGAG
 GACCGGAATACTGCCTACTTCTGGAACCGATTAAGCTTCTGGAACACGCCCCGCCACCCTCTGTATAT
 TGGAGCCAGATGTGTTCCTGGAATTTGCTGGGCTTTTGAAGGTGAGCAAGGCCAGGTGGTGATCCGACT
 GCCAGGTGATGTGCAGTTAAGCGACATCACCTGCAGCACCTCCACCCACTGTGGCACACACCGGAGGA
 GCCAGCAGTGCGCCCCGGGACTTCGAGTCTTTGGGCTCCAAGCTGATGATGACGAGACTGAAGTGTCT
 TGGGAAAATTCATCTTTGAAGTGCAGAAATCTGAAATTCAGACTTCCACCTCCAGAATGACCTCCATC
 TGCCCTTCCCAAGGTGAAGATTAGATTTTAAGCAACTGGGGCCACCCACGCTTCACATGCTTATATCGA
 GTCCGTGCCCATGGTGTGCGGATTTAGAGTCGGCAGAGGATAATGCCATGGGGTCCACAGGGGACCCC
 ATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031792

Insert Size: 1335 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_031792.1, NP_113980.1

RefSeq Size: 1505 bp

RefSeq ORF: 1335 bp

Locus ID: 83623

UniProt ID: [O55034](#)

Cytogenetics: 3q42

Gene Summary: spermatid-specific structural protein; interacts with an outer dense fiber (Odf1) localized to the sperm tail via a leucine zipper motif [RGD, Feb 2006]