

Product datasheet for **MC219998**

Spag16 (NM_029160) Mouse Untagged Clone

Product data:

| | |
|--------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Spag16 (NM_029160) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Spag16 |
| Synonyms: | 4921511D23Rik; 4930524F24Rik; 4930585K05Rik; AV261009; Pf20; Wdr29 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

Fully Sequenced ORF: >MC219998 representing NM_029160
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTGCTCCGCTCGGGTCCCCTGCGGGTCTGGAGGAGCTGGGCATTGGCTTGTACCCACCG
 GCGAGGTGACAGAGGCGGTGACCTCCGAGGGCGCCTACTACCTGGAGCAGGTACCATAACGGAAACATC
 GGAAGATGAATGCGAATATGAAGAGATACCAGATGACAATTTTCAGCATTCTGAAGGAGAAGAAGATCTG
 GAAAAAGCAATTCACATCATTGGAGAGCAAGCCAGAGACATCCATATTTTGAACAACAAACCATTCTTC
 CTGCAAGGAATGTAATGCAGGAAGCCATAGAAGATTTTCTGCAATTTCTGATCAAAAAGGGGATGAC
 CAGAACTCTGGACTGCTCCAGGCCGAGTGGTATGAGTTAATACAGAAGAAAGGAAGTACTTTAAAGGG
 CTCGGTAATGTTCCCGATGTCTACAGCCAGGTGATGCTTTAGAGACTGAGAACAAAACTGAAGAAGG
 AATTGAAGCACTCAAACAGGCAGCTGAAAAGGCCAAAGAAGATCTACTGAGAACTCAGAAGGAACGGGA
 CTTCCATCGCATGCATCATAAGCGCATAGTGCAAGAAAAGAACAAGCTCATTGCTGACCTCAAAGGGCTG
 AAATTGCATTATGCATCATAACGAACCAACTATAAGGGTGTACATGAGAAGCATCATGCTTTATTGAAGG
 AGAAAATGCTGACCTCTTTGAAAAGAGATCGAGCTGTTGGGAAGATTTCTGGGCTTCAAGCAACTGAA
 GAACATAGACATGGGACATATTCAGGTTCTGTAATTAAGGATCTTATGAGAGTCTTCTATCACAAAGA
 GAGTCAGGAGACAGAGCTGGTCACAGTTGTGAGAAAGAAAACAGTTTCCAGAGGGCCCAACTCAGAAAAGTC
 TTCGTGAAGCCAGGAAGAAGTTGGATATAAATCAAAGTTGAAGAATGAGAAAAGGATTTCAGAATTTCC
 TGTAGATATGCAACCAGATCCAAACGTGACTTCATGTACAGAAAACGTTTCTGCAGCAAAATTTGACTAC
 AAGCTAAACAATATTTTCAGACTTCATGAACTCCAGTGCATCGTCATGCATCCCTGCAGAGACT
 ATCTCATCTCCTGTAGTGAAGATCGTCTCTGGAAGATGGTGGGCCTCCACAGGGCAATGTACTTCTTAC
 AGGATCTGGCCACACTGATTGGTTGTCTGGCTGCTGTTCCATCCGAGTGGCAGCAAGTTGGCTACCTCA
 AGTGGTGACAGCACAATCAAATATGGGACCTCAACAAAGGTGAATGCACCTTGACCCTGAAGGACACA
 ACCATGCCGATGGTCTGCACCTGGCACTCCTGTGGTACTTCGTGGCTTCTGCCTCACTGGATATGAC
 GAGTAAAATCTGGGATGTCAACAGTGAACGGTGCAGATACACTTTGTATGGACACACAGACTCTGTGAAC
 AGCATTGAGTTTTTCCCTTTCTCAACATTTCTTCTCACCCTTCTGCAGACAAGACCTTGTCTGTGTGGG
 ATGCACGAACAGGTAATGTGAGCAGTCTGTATGGTGCATGCATTCTGTCAATGATGCCACCTTCAC
 GCCTAGGGGTACATAATAGCATCCTGTGATGCCCGTGGAGTTACAAAGCTGTGGGACTTCCGAAAACCT
 ATTCAAATCGTGTCCATTGATGTGGTCCAAGTTCGGGAAATGAGGTGAACCTTTGACCAGTCAGGTCGAG
 TTTTAGCTCAGGCGAGTGCCAACGGGATTATCCATTTGCTGGATCTTAAATCGGGGCAAAATTCACAACT
 GGTGGGCCACGAGAGTGAAGTGCACAGTGTGGTGTTCACACCTGGGGGAAAATCTGTATTCTGGAGGC
 TCTGACGGCACCATTCGGTTGTGGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_029160
- Insert Size:** 1920 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_029160.3](#), [NP_083436.2](#)

RefSeq Size: 2144 bp

RefSeq ORF: 1920 bp

Locus ID: 66722

UniProt ID: [Q8K450](#)

Cytogenetics: 1 C3

Gene Summary: Necessary for sperm flagellar function. Plays a role in motile ciliogenesis. May help to recruit STK36 to the cilium or apical surface of the cell to initiate subsequent steps of construction of the central pair apparatus of motile cilia.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1; also known as Spag16L).
Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.