

Product datasheet for **MC225273**

Spag17 (NM_028892) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spag17 (NM_028892) Mouse Untagged Clone
Tag: Tag Free
Symbol: Spag17
Synonyms: 4931427F14Rik; PF6; Spag17-ps
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225273 representing NM_028892
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

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 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_028892
- Insert Size:** 6963 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_028892.4](#), [NP_083168.3](#)

RefSeq Size: 7862 bp

RefSeq ORF: 6963 bp

Locus ID: 74362

UniProt ID: [Q5S003](#)

Cytogenetics: 3 F2.2

Gene Summary: Component of the central pair apparatus of ciliary axonemes. Plays a critical role in the function and structure of motile cilia (PubMed:23418344, PubMed:15827353). May play a role in endochondral bone formation, most likely because of a function in primary cilia of chondrocytes and osteoblasts (PubMed:26017218).[UniProtKB/Swiss-Prot Function]