

Product datasheet for **MC216837**

Spata6 (NM_026470) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata6 (NM_026470) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spata6
Synonyms:	1700062C23Rik; AI790763; Hash; KRP; Mash
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216837 representing NM_026470
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGAAGTGAAGGCGCTGCAATGCGCCTGGCGCTGGAGATCCGCTCTGTAACCTGTCCAGGAGTGG
 TGCTGAAAGACAAGGAGGACATCTATCTTAGTATCTGTGTGTTTGGCCAATACAAAAAGACACAATGTGT
 CCCAGCCACTTTTCCCCTGGTCTTCAATGCCAGAATGGTGTGTTGAAAAGGTGTTCCCGGAAGCAGTAGAC
 CCTGGAGATGTGGTCGCACAGCTTGAGTATGATACAGCAGTGTGTTGAGTTGATACAGCTAGTTCACCCAG
 TGGGAGAAACTGTCTACCTATGATGAAAATACACGAGATTTTCATGTTCCCGGGTCCAAACCAATGTC
 TGGACACCATGATTCAAACCGCCAGGTTACCATGAGGAGGATTTCTGGCCTAAGAGGAATTGCTCCAAAG
 CTGGAATTTTCTACAACCTCAGTGATCACTGAATGTCTGATAAGCTCAAGGAAGTCCCGCACTCAGGATA
 AATTTACTTACCATTAGCTCCAGTTGAAAATCCCACGGCAGACTGCAATGCAGAACATCAAGATCACA
 GAAGAAAAGTCCAAGTCAACCGAGAGGAGTAAATATTGCATAAACACCAAGAAGTACGAACAGCCTACG
 ATTTCTCAAAGTCACACTCTCCATCTCCCTACACAAAAAGACGGATGTGTGAGCTTCCGAAGACTC
 GGCGGGCGCTGGCCCATTTAAATCTGGGACCCTATGAATTCAAAAAGGAAACAGATAAGCCTCCATTTGT
 GATTAGACATGTTGATCCCCGAGTCCCAGAAGTACAATTTTTTTGGATCACCTGGCAGAGACTGTGAA
 CGAGATGGATGGGTGAGGATGCACAGCGATCATCCTCATATTGGCTGCTGCAGATCCAAGGACTACAAGG
 TTATCAGGTCACCACATGGGAGAGACTTTGAGGATCCCTTTGAAAGGTGTGAGGAATATTGAGCCCAAG
 GACATGTAGCAAGCCCCAGCATTCTGCAAGGACCTTACTAGTCCATTAGCACCTTCAACAACACCAAAAG
 CATTGTGCAAGCCCTGTGCTAAATAGAGCCTCTCTCAGGGAAAGATTCCACTCTGATTGGTGTTCACCTC
 CGAACTGTGATGAGATCCATGACCGGGTAAAAGATGTCTTGAAATCACATCAAGCTCAAGACATGCAAGACATT
 ATGTGATGAGAGAGACCCAGAGAGAGAAGACGAACTGGAAGTAAAAGAAAGTCTTTTATATAGAGACTCT
 GCTTATGACAGTGACCTGAGTATAGCTCTTTACGCGCCGCTGGCTCTTTCCATTTGGATGATGGCG
 AATGCTGGTCCAACAGAGCAGCCTCTTGTAAAGGGAAATCCCACCGACCCGTCTTTGAGAACAGCATGGA
 CAAGATGTACAGGAAGTATAACAAAAAGCCTGTAGTTCTGTTTCTCATACAGGAAAGCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_026470
- Insert Size:** 1467 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_026470.3](#), [NP_080746.3](#)

RefSeq Size: 2454 bp

RefSeq ORF: 1467 bp

Locus ID: 67946

UniProt ID: [Q3U6K5](#)

Cytogenetics: 4 D1

Gene Summary: Required for formation of the sperm connecting piece during spermiogenesis. Sperm connecting piece is essential for linking the developing flagellum to the head during late spermiogenesis (PubMed:12771232, PubMed:25605924). May be involved in myosin-based microfilament transport through interaction with myosin subunits (PubMed:25605924). [UniProtKB/Swiss-Prot Function]