

## Product datasheet for MC223213

### Spata31 (NM\_030047) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spata31 (NM_030047) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spata31
Synonyms:	4930458L03Rik; Aep1; Fam75a; Spata31a; Vad1.3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223213 representing NM_030047 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGAGCCTTCCTCTCTTCTGAAAGCATTTACACCACATGGCTGAGCCTCAGCTCCACTATATGGG  
CAATGGACATGATCCTTGCTTTGTGTGGACTGGGGCTCTACCACCTGTTACTTCTTTTCTTGAGAG  
TCATCTGTCTTCACCTCCATCAAATATAAAGTTCACCAGGAAGCCTCAGATACAGATGACCTGGCAGAGC  
CAGTTCAAGAAAAGTTTAGGAATCATTGTAGGAATGATGCAAAAAGCTTGGGGAGAATGCCTGAAAAAGC  
TGAAAGAAAAAGAAAAGGATAAATTATTCTAGAAGAAATGAGCCAGGACACCAATTTGAACTCTTAGG  
GAATATATTTAACTCATCAAGTGCTAAACAAGACAGCACTACCCTGTCACCCTTTTGAACCTGAAAGAA  
AAATCAGAAGAGCAGGTGGCCACTCAGAACTATCTTATCCCAAGATCTCAGAAGACATTTTCAACAGA  
AATGTGACCAGCTTTTCTGGGTCTCCCTTCTCCACAGTGAGTCTCTGGTAGCTGCCGCTGGATCCC  
TCAGACAACGTCAACTCTCCCTTCTCCCTTTTCTTATTCAATGTCACTCAAGTGTATCCAATTTCAA  
CTGCAGGATAAAATGTCACCAATGCTTCCCATACACATCCTCTGTCCTATCTGGACCTCCAATCTCCAC  
ACTTAATTCTGTCTCCACTTGAATTCAGACCCAGCTTTGAATCTCCAGTCTACTACCTCTTCTCT  
ACCCTATAATAGTGATTTTGGTACATCTTATTCTCAATCACAAAGTAAGCCACAATACCTCCCAACTGAA  
ATAAAATACAATAAAAAACCCTCACTGGCAAAAACAATAGAAAATAGATCAACTTTACCCTTGATGGTCC  
AGAAACCTCAAGAAGCCTATGACATCTTGGCCCCAACCTTCCCAAGACTGGGTAGTCTCCATCCTTCC  
TGATAATTTTCCCATCTGCCGTGAGCTCCGGGAGAACTGGAGCAACACATTCAAAGTGGCTCATTCAA  
CACCAATGGAATTTTCCCATAAGATCCAAGTGTCTGAGAAAATGAAGGAGCTTCAGAACACAGTAATAG  
GAAATTGTCAAACCAGAGACAAGCCTGGCACCTTACAAGCCCTTGGTGAACACAGCAATGAGGGCCAGAA  
GAGAAAATCCAGCTAGAAAAGGAATCTGGCAAGAATCTGGGACCTATTCTAGGAAAGATCTCAAAGAT  
CCAATCAGGGGCTTGAAAAAACTACAGCAATCAAAGATTTAGAAAACAATTGAAAGCTCATTTGGGTA  
CAAAGTCAGGGCAGATAGATCAAGGTCTGACCCCTCTAAGTATGCGACAATCCTGGCTTGCTGTGGATGA  
TAGTTTTTACGAGATGAAAAACAATTTAACATCCTTAAAGAGTTTCAAGTCCATGTGCTCTTACAGAG  
AAGCTTGCTTTTCTCAAACCAGAACTCGACAGGCTCTGGAGGCACATATTGTAAGGTTTTGGGCAAGC



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ACAGGTGGAGTCTACCCCTTAAGATACTCAAGCCGTA AAACTCTTTCAGTTAAGTATTGAGTCCTTGCC  
 TGTTGACTCTGTGCCAGACCTCCTCAACCATTCTGTACATAGGACCAGATCAGCAGCTGAAGTAGTC  
 AGATTCTAGGAAAACCATGCTTGAGACAGATGATAATTGAGGATTCTTCTCCATCACCACAGAATCTTC  
 TCCTTGCTCATCTCCTTCTGTAAAGAGGGCCAGGAGAAGGCTTCCCTTTGGTGTGACCATGAGCCTTC  
 TACAGCCCTGCCAACCAACCAGAGTGTGGCATATTTTCAGAAGATCTCACTTATAATTTTCATGAACACA  
 ACCTCTCAGACTAGGACTATCTTCAAGAAAGAGATAGAGACTCGAGAAGTCGTTTTACTGCCTAGAAGGA  
 CGAGTGACCAAAAATTTGGAGGCATACAAACATCAGGAAAAAGTTGTTAGTGAGTTCCACATAATGTGGA  
 GACAGAATTAGCAGGCCAGCCACAAATCTATACCACTACTGTGCTCCCTCCAAAACGTTCCAGGAGCATG  
 CCTCTTCTGTAGACACTTTGACTTCACATGTATTAGGTGACATTGTGGTGGCAGACATGGACAATAGCC  
 TGGTGCAGCAGAGACCCAGTACTCCAAAGCATCTAGTCTCACAGAAGAGCCAAATCAAGATGTTGGCCCC  
 TACTTATCAAAGTGAGGGCACTAAGAGACAGAGTAAAATAAAGTATGAAGACAGACCTAAGCTCACCCCA  
 GTCACAGAGAAAAAGCCAACCTTTGGCAGCCAATACTACCAGACCCTTCCAAAAATCGCACAAAGTGCTTC  
 CAGGAAGGCCCCCAAGACATTTAGGTCGTTTCTACAGTGGATTATCCTAAGAAAACAATCAAAGG  
 GCATGAATTTTATCCCTAAAAGGTAATCTACAGCAGCCATTGTCCAGAACCAACGAAGGCAAGTGA  
 AAAATACCATATATGGACAACAATGTGACTGAGGCCAGGAATATGACAACCTGTTGGACAGATGTTAG  
 AAAAGAAAATGATGCTGCAACATCAACCCTATGCTTCAAATTC AACAGCACAGGGAAGTTCCTCCAGC  
 CCCCATGTCTCGTTTTCCCATGGCCACATGCCAGTCTCCTACTTACAGCAAAGGAGAGCACCCAGTTAC  
 CCTGGCAGTTGCTCATGTGAGAGGTGTTCTGTACAGAACAGGCACATCAGAAAACCAACTGCCTCAGAGAA  
 GTGTACGCTTTAGCAAGAAACCACAGAACCACGGAACCCAGCCACAAGAAACCACAGAACCACGGAA  
 CCCCAGCCGCTTGTCCCGTAACGCAGCTTTGAACCTAGTGAATTTCTCAGAACAGAAACAATAGTGCCAGGA  
 AATTCAAATCACCATCTTTATTGTCCTAGGCACTGTGCCCTCCAGAGAGATGTCTGTAGAGAACTAGGAC  
 ATTCCTCTGTAGTTTTTCTAATAGGAAAACATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_030047
- Insert Size:** 3045 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\\_030047.2](#), [NP\\_084323.2](#)
- RefSeq Size:** 3233 bp
- RefSeq ORF:** 3045 bp

Locus ID: 78124  
UniProt ID: [E9QAF0](#)  
Cytogenetics: 13 B3  
Gene Summary: May play a role in spermatogenesis.[UniProtKB/Swiss-Prot Function]