

Product datasheet for **MC219193**

Spata16 (NM_029150) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata16 (NM_029150) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spata16
Synonyms:	4921511F01Rik; 4930503K02Rik; Nyd-sp12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219193 representing NM_029150
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTCTGGCAAGAGTAGGAGTTTGGAGACTACAGTGAAGAGAGTCTATCGAGATCTGCTTCTTCCAA
 AGATAAATACAAGCAAGAAAATGTCCACCTTGACAAATCCCCAGCAGCCTGGAAGGGACACCTGGAAT
 TAAGAAGAACAGTGGAGAAATGCAAGCTGAAGCCTCAGCTGAGAGAGTAAAACTCACAAAGAGCATCAAA
 GAAAAACAAAATAACGAGTTAGAGAAGGTGGCCCTTAAACGGAAGGCTGACAGCGAAGAGAAGCTGGTGG
 GAAAGAAAGAGGCCAAGATAATGGAAGTACAGCTAGTACCACCGTACCTCTGCCCCACATCCC
 CTAAAGAACATAATGGATGTGGAATGAAGCTGGTCTATGTTGATGAAGAGGATGTGAGCTATGAGTTT
 GCCCAGCCTAACATGTGCCTTGGCTTCAGGCAACAGGCCAGACTGCCACCAGATGCCACCTGCAAGTC
 CCCGGGATCTACCACCTGCCACAGATTGACAAATGGCTTCAGGTAGCCTTAAAGGATGCCAGCTTTG
 CTATAGACAGAAGAAATATGCCGTGGCAGCAGGACAGTTCAGGACAGCACTTGAGCTTTGCAGCAAAGGA
 GCAGCTCTGGGGAACCCCTTTGAAGCACACGCTGAAGACATAGCAAGCATCGCAAGTTTCATTGAGACAA
 AGCTCGTCACATGCTACCTACGTATGCGGAAGCCTGACCTTGCCCTGAACCATGCGCACAGGAGTATTGT
 TTTAAACCCAGCCTATTTCCGAAACCATCTTCTGTCAGGCAGCCGTGTTTAGATGTCTGGAGAGATACTCA
 GAAGCTGCCCCGAGTGCCATGATTGCGGACTACATGTTCTGGCTCTGTGGAGGGAGCGAGCACTCTGTAA
 GCAAGCTCATCAAACTGTATTGGCAGGCCATGATTGAAGAAGCCATCACCAGGGCCGAAGCTTTCTCGGT
 TATGTACACGCCCTTTGCAACAAGAATCAAGCCTGAGAACATAGAAAAGGTGAAAGAGGTGTTTCATGAGA
 ACTACCCACCTACGTGGACTGTATCTACACAGATACCAAGGACTCCATGTACTGCCGCAGACAGCCG
 ACTGGTCGTGTTTCTCCCCAGCAATATCTGCTGACACTTGGGTTCAAAAACAAAGAAGACGGGAAATT
 CTTGGAAAAAGTGCCAGTAGGAAGCTCCCCACCTACACAGAACATAAACTCCCTTCTCTCCACTGACC
 AGAGAAGATACAGTGAGACACATGGAGACAGTGGGGAAGAGAATCCTGCCCATCTGGACTTTATCCGGA
 GCACACAAGTGAATGGGAATTTCCATGCCTGCTCAGGTGTGATGGAGAAGTTGCACTATGCCAGCCTCT
 CAGCCGGCTGCAGAGAGTGAAGGAACAGGCCAGGTGATCAATCAAGCAATGGCAGAGCTGGCAACAGTC
 CCTTATCTCCAGGACATCAGTCAACAGGAGGCAGAATTGCTGCAGTCGCTAATGGCAGACGCCATGGACA
 CCCTTGAAGGAAAGAAGAGTGATAAGGAGCGTGTGGAATACAATCCAAAGGTGCGACGAATAGAAGA
 CTTCTGTACCACTAGAAGACAGCTTCTTAAAACTAAGAACTCAGAACCGCTCGAAGGCAGAAGACA
 AAGATGAAGAGACTTCAAACTGTACAGCAAACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_029150

Insert Size: 1716 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_029150.4, NP_083426.1</u>
RefSeq Size:	2011 bp
RefSeq ORF:	1716 bp
Locus ID:	70862
UniProt ID:	<u>Q8C636</u>
Cytogenetics:	3 A3
Gene Summary:	Involved in the formation of sperm acrosome, which implicated its potential role in spermatogenesis and sperm-egg fusion.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) represents the longer transcript and encodes the longer isoform (2).