

Product datasheet for **MC222424**

Spata5 (NM_001163511) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata5 (NM_001163511) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spata5
Synonyms:	2510048F20Rik; C78064; Spaf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222424 representing NM_001163511
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTTCCAAGAAGAACCAGAAAGCGGCAGAGAGGGCGCGGAGGGCGCCTCGCCTCGCTCTCTGCGG
 CTCCGTCCCGCTCAGGGACCTCGACTCCTTTCCGCCAGCCGAGCCGCGCGCGCCGGGATGCTGGTGGT
 GACCAACTTCCTTGAGAAAGTAGATGGCAAAGTTCCTAAGACATTCCAGAATTCCTTGTTCATCTTGGA
 CTTAACTATGAAGTCTGCAAACATATGTATAGGTGCGCCAGTCTCTTACCAGTTTGGATGGAAGC
 AGGAGGTTTATACAGCCTGGCCAGTTGCAGGATTTCTGGAGGCAAGGTTGGCCTGAGTGAAATGGCACA
 GAAGAATGTGGGTGTGAGAGCTGGTGAACCATCCAGGTCCAGCCTCTTTTGGGTGCTGTGCTTCAGGCT
 CAGGAAATGGACTTGGCGCTGAGTGACAAAGATAAGGAAATTAATGAAGAAGAACTGACTGGTTGTATTC
 TGAGAAAAGTAGATGGCAAGATTGTTTTACCAGGCAACTTTCTATACTGTACATTCTATGGACGACTCTG
 CAAGTTACAAGTGTGCAAGTGAAGGGACAGATGGCACAACATTGGGAAAGCTTCAGAGTGCCTCTGGC
 ACTGATGCCAGGGAATGGCCTCTGAACATTCTAGCATGGAAAGCAGCGATGTGGATCTATCCTTCCAGC
 TAAGCCAGTTAGATCTGAAAGAACCTCAGAGCCCATCATCACAGAGTACTCCCTGTAAACCCACTAATGA
 CAGAACTGTGAATAAAGCTGGTGAAGTTTTGTTGGATGTCACACAGAGCCCTAGGGATGGAAGTGGACTT
 GGACTAGAGGAAAGCACAGGTCTTAAGTGTAGTTTTGACTCATCCAAAGAAGGAAATACACAACCTGTCA
 GTGAAGAGAACTACTAAACCTGCTAGTGCAGGGACAAAGAGCAATACTGATACTTTTTATTTATTTTC
 TTCAACAACAAGAATCAATCTTCGAAAAATTTGTACAAATTCAAAGAACAAGACAGTCAGTTCAAAGTA
 ACTTATGACATGATTGGAGGCTTAACAGTCAGCTGAAAGCAATAAGAGAAATAATTGAATTGCCTCTCA
 AGCAGCCTGAACCTTTTAAAGTTACGGAATTCAGCGCCTAGAGGGTTATTACTCTATGGTCTCCAGG
 TACCGGAAAGACAATGATTGCTAGGGCTGTTGCTAATGAAGTTGGAGCTTATGTTTCTGTAATTAATGGT
 CCTGAAATTATAAGCAAATTCACGGTGAGACTGAAGCAAGGTTACGCCAGATATTTGCTGAAGCTACTC
 TACGACACCCATCAATTATTTTTATTGATGAAGTGGATGCACTTTGCCCTAAAAGAGAAGGAGCTCAGAG
 TGAAGTGGAAAAGAGAGTTGTAGCTTCACTCTTAACATTGATGGATGGCATTGGCTCAGAAGGAAGTGAA
 GGACGGGTATTAGTCCTTGGGGCCACAAATCGCCCTCAAGCACTAGATGCTGCACTCAGACGACCTGGGA
 GATTTGATAAAGAGATTGAGATTGGCATTCTAATGCCCAAGACCGGCTTGATATTCTCCAGAACTACT
 CCGAAGGGTGCCACATTTGCTCACTAAAGCTGAGCTTCTGAGGTTGGCAAATAATGCCCATGTTATGTT
 GGCGCAGACTTGAAGCGTTGTGTAATGAGGCAGGTCTGCATGCCTTGCGAAGAGTCCTGAGGAAACAGC
 CTAACCTCCCTGATAGCAAGGTGGCTGGCATGGTGAAGATTACTCTAAATGATTTCTTACAGGGGATGAA
 TGACATCAGGCCTAGTGCTATGAGAGAGGTAGCAATTGATGTCCCAAATGTTTCTGGTCAGATATTGGA
 GGACTGGAAAATATCAAACTGAAATTGAAACAGGCTGTGGAATGGCCCTTGAAACATCCTAAGTCTTTCA
 ACAGAAATGGGTATTACGCCACCCAAAGGAGTTCTCTTGATGGGCCACCTGGATGCTCAAAAACAATGAT
 AGCAAAAGCTTTGGCCAATGAAAGTGGGTTGAACCTTTCTAGCTATAAAGGGGCCCAATTAATGAATAAA
 TATGTTGGTGAATCTGAAAGAGCAGTTAGAGAGATATCCGTAAAGCAAGAGCAGTGGCACCGTCCATTA
 TCTTTTTTGATGAACCTGATGCCCTGGCTGTTGAAAGGGGCAGTTCTTCAGGTGCCGGGAATGTTGCAGA
 CCGTGTGTTGGCTCAGCTGTTAACGGAATGGATGGGATTGAACAGCTAAAAATGTGACAGTTTTGGCA
 GCTACTAATCGCCAGATAGAATAGACAAGGCTTTGATGAGGCCTGGAAGAATTGACAGGATCATTTATG
 TGCCCTTACCGGACGACAGCAACCAGAAGGGAATACTGAACCTGCAGTTCCACTCAATGCCGATCAGTAA
 CGAGGTTGACCTGGATGAACCTGTCTCCAACTGACACCTACTCAGGAGCAGAGATCATAGCAGTCTGC
 AAGGAGGCGGCTCTCTAGCTCTGGAAGAAAACATTAAGCTGACTGCATTATGAAGAGGCATTTCACTC
 AAGCCTTGAGCATTGTGACACCCAGGATCCAGAGTCACTGAGACGCTTTTATGAAGATTACCAAGAAAA
 GAGTGGACTACACACAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001163511

Insert Size:	2682 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_001163511.2, NP_001156983.1</u>
RefSeq Size:	3258 bp
RefSeq ORF:	2682 bp
Locus ID:	57815
UniProt ID:	<u>Q3UMC0</u>
Cytogenetics:	3 B
Gene Summary:	ATP-dependent chaperone which uses the energy provided by ATP hydrolysis to generate mechanical force to disassemble protein complexes (By similarity). May be involved in morphological and functional mitochondrial transformations during spermatogenesis (PubMed:10734318).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.