

Product datasheet for **MC222423**

Spata5 (NM_021343) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata5 (NM_021343) 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)



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Fully Sequenced ORF: >MC222423 representing NM_021343
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTTCCAAGAAGAACCAGAAAGCGGCAGAAAGGAGGGCGCGGAGGGCGCCTCGCCCTCGCTCTCTGCGG
 CTCGCTCCCGCTCAGGGACCTCGACTCCTTTCCGCCAGCCGAGCCGCGGCGCGCCGGGATGCTGGTGGT
 GACCAACTTCCTTGAGAAAGATGGCAAAGTTCCTAAGACATTCCAGAATCCCTTGTTCATCTTGACTT
 AACACTATGAAGTCTGCAAAATATGTATAGTTCGGCCAGTGTCTCTTACCAGTTTGGATGGAAAGCAGG
 AGGTTTATACAGCCTGGCCAGTTGCAGGATTTCTGGAGGCAAGTTGGCCTGAGTGAAATGGCACAGAA
 GAATGTGGGTGTGAGAGCTGGTGAACCATCCAGGTCCAGCCTCTTTGGGTGCTGTGCTTCAGGCTCAG
 GAAATGGACTTGGCGCTGAGTGACAAAGATAAGGAAATTAATGAAGAAGAACTGACTGGTGTATTCTGA
 GAAACTAGATGGCAAGATTGTTTTACCAGGCAACTTTCTATACTGTACATTCTATGGACGACTCTGCAA
 GTTACAAGTGTGCAAGTAAAGGGACAGATGGCACAACATTGGGAAAGCTTCAGAGTGCCTCTGGCACT
 GATGCCAGGGAATGGCCTCTGAACATTCTAGCATGGAAGCAGCGATGTGGATCTATCCTTCCAGCTAA
 GCCAGTTAGATCTGAAAGAACCCTCAGAGCCCATCATCACAGAGTACTCCCTGTAAACCCACTAATGACAG
 AACTGTGAATAAAGCTGGTGAAGTTTTGTTGGATGTCACACAGAGCCCTAGGGATGGAAAGTGGACTTGG
 CTAGAGGAAAGCACAGGTCTTAAGTGTAGTTTTGACTCATCAAAGAAGGAAATACACAACCTGTCAAGT
 AAGAGAACTACTAAAACCTGCTAGTGCAGGGACAAAGAGCAATACTGATACTTTTTATTTTATTTCTTC
 AACAACAAGAATCAATCTCGAAAAATTTGTACAAATTCAAAAGAACAAGACAGTCAGTTCAAAGTAACT
 TATGACATGATTGGAGGCTTAAACAGTCAGCTGAAAGCAATAAGAGAAATAATGAATTGCCTCTCAAGC
 CGCTGAACTTTTTAAGAGTTACGGAATCCAGCGCCTAGAGGGTTATTACTCTATGGTCTCCAGGTAC
 CGGAAAGACAATGATTGCTAGGGCTGTTGCTAATGAAGTTGGAGCTTATGTTTCTGTAATTAATGGTCTCT
 GAAATTATAAGCAAATCTACGGTGAAGTGAAGCAAGTTACGCCAGATATTTGCTGAAGCTACTCTAC
 GACACCCATCAATTATTTTTATTGATGAACTGGATGCACTTTGCCCTAAAAGAGAAGGAGCTCAGAGTGA
 AGTGGAAAAGAGAGTTGTAGCTTCACTCTTAACATTGATGGATGGCATTGGCTCAGAAGGAAGTGAAGGA
 CGGGTATTAGTCCTTGGGGCCACAAATCGCCCTCAAGCACTAGATGCTGCACTCAGACGACCTGGGAGAT
 TTGATAAAGAGATTGAGATTGGCATTCTAATGCCAAGACCGGCTTGATATTCTCCAGAACTACTCCG
 AAGGGTGCCACATTTGCTCACTAAAGCTGAGCTTCTGAGGTTGGCAAATAATGCCATGGTTATGTTGGC
 GCAGACTTGAAAGCGTTGTGAATGAGGCAGTCTGCATGCCTTGCAGAGCTCCTGAGGAAACAGCCTA
 ACCTCCCTGATAGCAAGGTGGCTGGCATGGTGAAGATTACTCTAATGATTTCTTACAGGGGATGAATGA
 CATCAGGCCTAGTGCTATGAGAGAGGTAGCAATTGATGTCCCAAATGTTTCTGGTCAGATATTGGAGGA
 CTGGAAAATATCAAACCTGAAATGAAACAGGCTGTGGAATGGCCCTTGAACATCCCTAAGCTTTTCAACA
 GAATGGGTATTCAGCCACCCAAAGGAGTTCTCTTGTATGGGCCACCTGGATGCTCAAAAACAATGATAGC
 AAAAGCTTTGGCCAATGAAAGTGGGTGAACTTTCTAGCTATAAAGGGGCCGAATTAATGAATAAATAT
 GTTGGTGAATCTGAAAGAGCAGTTAGAGAGATATCCGTAAAGCAAGAGCAGTGGCACCGTCCATTATCT
 TTTTTGATGAACTTGATGCCCTGGCTGTTGAAAGGGGCAGTCTTCAGGTGCCGGGAATGTTGCAGACCG
 TGTTTTGGCTCAGCTGTTAACGGAATGGATGGGATTGAACAGCTAAAAAATGTGACAGTCTTGGCAGCT
 ACTAATCGCCAGATAGAATAGACAAGGCTTTGATGAGGCTGGAAGAATTGACAGGATCATTTATGTGC
 CCTTACCGGACGAGCAACCAGAAGGAAATACTGAACCTGCAGTCCACTCAATGCCGATCAGTAACGA
 GGTTGACCTGGATGAACTTGTCTCCAAACTGACACCTACTCAGGAGCAGAGATCATAGCAGTCTGCAAG
 GAGGCGGCTCTCCTAGCTCTGGAAGAAAACATTAAGCTGACTGCATTATGAAGAGGCATTTCACTCAAG
 CCTTGAGCATTGTGACACCCAGGATCCCAGAGTCACTGAGACGCTTTTATGAAGATTACCAAGAAAAGAG
 TGGACTACACAGTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021343

Insert Size:	2679 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:	<ol style="list-style-type: none">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_021343.3 , NP_067318.2
RefSeq Size:	3255 bp
RefSeq ORF:	2679 bp
Locus ID:	57815
UniProt ID:	Q3UMC0
Cytogenetics:	3 B
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is 1 aa shorter compared to 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.</p>