

Product datasheet for **MR218304**

Spata5 (NM_021343) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata5 (NM_021343) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spata5
Synonyms:	2510048F20Rik; C78064; Spaf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR218304 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTTCCAAGAAGAACCAGAAAGCGGCAGAAAGGAGGGCGCGGAGGGCGCCTCGCCCTCGCTCTCTGCGG
 CTCGCTCCCGCTCAGGGACCTCGACTCCTTTCCGCCAGCCGAGCCGCGGCGCCGGGGATGCTGGTGGT
 GACCAACTTCTTGAGAAAGATGGCAAAGTTCTAAGACATTCCAGAATTCCTTGTTCATCTTGACTT
 AACACTATGAAGTCTGCAAAATATGTATAGTTCGCGCCAGTGTCTCTTACCAGTTTGGATGGAAAGCAGG
 AGGTTTATACAGCCTGGCCAGTTGCAGGATTTCTGGAGGCAAGTTGGCCTGAGTGAAATGGCACAGAA
 GAATGTGGGTGTGAGAGCTGGTGAACCATCCAGGTCCAGCCTCTTTGGGTGCTGTGCTTCAGGCTCAG
 GAAATGGACTTGGCGCTGAGTGACAAAGATAAGGAAATTAATGAAGAAGAACTGACTGGTTGTATTCTGA
 GAAAATAGATGGCAAGATTGTTTTACCAGGCAACTTTCTATACTGTACATTCTATGGACGACTCTGCAA
 GTTACAAGTGTGCAAGTAAAGGGACAGATGGCACAACATTGGGAAAGCTTCAGAGTGCCTCTGGCACT
 GATGCCAGGGAATGGCCTCTGAACATTCTAGCATGGAAGCAGCGATGTGGATCTATCCTTCCAGCTAA
 GCCAGTTAGATCTGAAAGAACCCTCAGAGCCCATCATCACAGAGTACTCCCTGTAAACCCACTAATGACAG
 AACTGTGAATAAAGCTGGTGAAGTTTTGTTGGATGTCACACAGAGCCCTAGGGATGGAAGTGGACTTGG
 CTAGAGGAAAGCACAGGCTCTAAGTGTAGTTTTGACTCATCCAAAGAAGGAAATACACAACCTGTCAAGT
 AAGAGAACTACTAAAACCTGCTAGTGCAGGGACAAAGAGCAATACTGATACTTTTTATTTTATTTCTTC
 AACAACAAGAATCAATCTTCGAAAAATTTGACAAATTCAAAAGAACAAGACAGTCAGTTCAAAGTAACT
 TATGACATGATTGGAGGCTTAAACAGTCAGCTGAAAGCAATAAGAGAAATAATGAATTGGCTCTCAAGC
 AGCCTGAACTTTTAAGAGTTACGGAATTCAGCGCCTAGAGGGTTATTACTCTATGGCTCCAGGTAC
 CGGAAAGACAATGATTGCTAGGGCTGTTGCTAATGAAGTTGGAGCTTATGTTTCTGTAATTAATGGTCT
 GAAATTATAAGCAAATCTACGGTGAAGTGAAGCAAGTTACGCCAGATATTTGCTGAAGCTACTCTAC
 GACACCCATCAATATTTTTATTGATGAACTGGATGCACTTTGCCCTAAAAGAGAAGGAGCTCAGAGTGA
 AGTGGAAAAGAGAGTTGTAGCTTCACTCTTAACATTGATGGATGGCATTGGCTCAGAAGGAAGTGAAGGA
 CGGGTATTAGTCTTGGGGCCACAAATCGCCCTCAAGCACTAGATGCTGCACTCAGACGACTGGGAGAT
 TTGATAAAGAGATTGAGATTGGCATTCTAATGCCAAGACCGGCTTGATATTCTCCAGAACTACTCCG
 AAGGGTGCCACATTTGCTCACTAAAGCTGAGCTTCTGAGGTTGGCAAATAATGCCATGGTTATGTTGGC
 GCAGACTTGAAAGCGTTGTGAATGAGGCAGGCTGCATGCCTTGCAGAGCTCCTGAGGAAACAGCCTA
 ACCTCCCTGATAGCAAGGTGGCTGGCATGGTGAAGATTACTCTAATGATTTCTTACAGGGGATGAATGA
 CATCAGGCCTAGTGCTATGAGAGAGGTAGCAATTGATGTCCCAAATGTTTCTGGTCAGATATTGGAGGA
 CTGGAAAATATCAAACCTGAAATGAAACAGGCTGTGGAATGGCCCTTGAACATCCTAAGCTTTTCAACA
 GAATGGGTATTCAGCCACCCAAAGGAGTTCTCTTGTATGGGCCACCTGGATGCTCAAAAACAATGATAGC
 AAAAGCTTTGGCCAATGAAAGTGGGTGAACCTTCTAGCTATAAAGGGGCCGAATTAATGAATAAATAT
 GTTGGTGAATCTGAAAGAGCAGTTAGAGAGATATCCGTAAAGCAAGAGCAGTGGCACCGTCCATTATCT
 TTTTTGATGAACCTGATGCCCTGGCTGTTGAAAGGGCAGTCTTCAGGTGCCGGGAATGTTGCAGACCG
 TGTTTTGGCTCAGCTGTTAACGGAATGGATGGGATTGAACAGCTAAAAAATGTGACAGTTTTGGCAGCT
 ACTAATCGCCCAGATAGAATAGACAAGGCTTTGATGAGGCTGGAAGAATTGACAGGATCATTTATGTGC
 CCTTACCGGACGAGCAACCAGAAGGAAATACTGAACCTGCAGTTCCACTCAATGCCGATCAGTAACGA
 GGTTGACCTGGATGAACCTGTCCTCAAACCTGACACCTACTCAGGAGCAGAGATCATAGCAGTCTGCAAG
 GAGGCGGCTCTCCTAGCTCTGGAAGAAAACATTAAGCTGACTGCATTATGAAGAGGCATTTCACTCAAG
 CCTTGAGCATTGTGACACCCAGGATCCCAGAGTCACTGAGACGCTTTTATGAAGATTACCAAGAAAAGAG
 TGGACTACACACAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218304 protein sequence
 Red=Cloning site Green=Tags(s)

MSSKKNRKRQKEGASPSLSAAPSRSGTSTPFAQPSAAPGMLVVTNFLEKDGKVPKTFQNSLVHLGL
 NTMKSANICIGRPVLLTSLDQKQEVYTAWPVAGFPGGKVGLEMAQKNVGVRAGETIQVQPLLGAVLQAQ
 EMDLALSDKDKEINEEELTGCILRKLKLDGKIVLPGNFLYCTFYGRCLKLQVLQVKGTDGTTLGLQASGT
 DAQGMASEHSSMESSVDLQSFQLSGLDLKQSPSSQSTPCPKPTNDRTVKNKAGEVLLDVTQSPRDGSGLG
 LEESTGLKCSFDSSKEGNTQPVSEKLLKPASAGTKSNTDTFYFISSTTRINLRKICTNSKEQDSQFKVT
 YDMIGGLNSQLKAIREIIEPLKQPELFKSYGIPAPRGLLLYGPPGTGKTMIAARAVANEVAYVSVINGP
 EIISKFYGETEARLRQIFAEATLRHPSIIFIDELDALCPKREGAQSEVEKRVVASLLTMDGIGSEGSEG
 RVLVLGATNRPQALDAALRRPGRFDKEIEIGIPNAQDRDLILQKLLRRVPHLLTKAELLRLANNAHYVG
 ADLKALCNEAGLHALRRVLRKQPNLPDSKVAGMVKITLNDFLQGMNDIRPSAMREVAIDVNVSWSDIGG
 LENIKLKLQAVEWPLKHPKSFNRMGIQPPKGVLLYGPPGCSKTMIAKALANESGLNFLAIKPELMNKY
 VGESERAVREIFRKARAVAPSIIFDELDAVERGSSSGAGNVADRVAQLLTEMGIEQLKNVTVLA
 TNRPDRIKALMRPGRIDRIIYVPLPDAATRREILNLQFHSMPI SNEVDLDELVLQTDITYSGAEIIAVCK
 EAALLALEENIKADCIMKRHFTQALSIVTPRIPESLRRFYEDYQEKSGLHTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

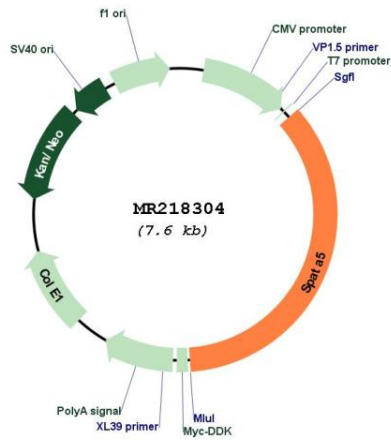
Cloning Scheme:



ACCN: NM_021343

ORF Size:	2676 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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
MW:	97.2 kDa
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]

Product images:



Circular map for MR218304