

Product datasheet for **MG210668**

Spata20 (NM_144827) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata20 (NM_144827) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spata20
Synonyms:	Tisp78
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG210668 representing NM_144827
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCACCATTCTCACCACCCCAAACATAGGGGGAGCACAAAGGCCACGGTCTCCCCGTGGTT
 CAGAAAGGGGCAGCTCTCCCGGACAAGGACCGAAGTGCTACTACAGTTAGTAGTTCAGCGCCATGCC
 TGCTGGAGGAAAGTCAAGCCGACTAAGTGCCTCCACCTGCACCGCGAAGACCGTCAATCGCCTGATC
 AATGAGAAGTCTCCATACCTCTTACAGCATGCCTACAACCCGGTGGATTGGTACCCTGGGGACAGGAAG
 CCTTCGACAAGGCCAAAAAAGAAAAACAAGCCGATTTTTCTCTCAGTGGGGTACTCTACCTGTCACTGGT
 CCACATGATGGAGGAGGAATCCTTCCAGAATGAAGAGATAGGGCGCTGCTCAATGAGAACTTCATCTGT
 GTCATGGTGGACCGAGAGGAGCGCCAGATGTGGACAAAGTATACATGACTTTTGTGAGGCCACAGTA
 GTGGAGGAGGCTGGCCAATGAATGTGTGGCTGACCCCGGCTCCAGCCATTCGTTGGGGGCACCTACTT
 CCCGCCAGAGGATGGTTTACTCGAGTTGGCTTCCGAACAGTGTGATGAGAATCTGTGATCAGTGGAAA
 CTGAACAAGAACCCTTCTGGAGAACAGCCAGCGGTCACCACAGCCCTTCTGGCCGATCTGAGATCA
 GCGTGGGTGACAGACAGATTCCAGCCTCTGCTGCCACCATGAACAGCCGTTGCTTCCAGCAGCTGGATGA
 GGGCTATGATGAGGAATACGGCGGCTTCGCCGAGGCCCAAGTTTCCCACACCTGTGATCCTGAACTTC
 CTGTTCTCCTATTGGCTCAGTACCAGGCTACCCAGGATGGTCCCGAGCTCAGCAGATGGCGTTGCACA
 CCCTGAAGATGATGGCCAACGGAGGCATCCAGGATCATGTGGGGCAGGGCTTTCACCGCTACTCCACGGA
 CCGACAGTGGCACATCCCTCACTTTGAGAAAATGCTGTATGACCAGGCCAACTCTCGGTGGTCTATACC
 CAGGCCCTCCAGATCTCTGGCGATGAATCTACGCTGATGTTGCTAAAGGCATCTGCAGTATGTGACCC
 GGACTGTAGCCATCGGTCTGGAGGCTTTTACAGTGCAGAGGATGCTGACTCCCCCGGAGAGAGGCAT
 GAAGCCCCAAGAGGGTGCTTACTATGTGTGGACAGTCAAAGAGGTCCAACAGCTACTCCAGAGCCCGTG
 GTAGGCGCCAGCGAGCCGCTGACCTCAGGCCAGCTCCTAATGAAGCACTATGGACTCAGTGAAGTAGGCA
 ATATCAACTCCTCTCAGGATCCCAACGGGGAAGTGCACGGCCAGAATGTCTGATGGTGCCTTACTCACT
 AGAGCTGACTGCAGCCGCTATGGCCTGGAGGTGGAGGCTGTGAGGGCCTTGCTCAACACAGGGCTGGAG
 AAGCTCTCCAGGCCCGAAACATCGGCCGAAAGCACACCTAGACAACAAGATGCTCGCTGCCTGGAACG
 GCTTGATGGTTTCTGGCTTGTGTGACGGGGCTGCCCTGGGTATGGAAAAGTTAGTTGCCAGGCCAC
 CAGCGGTGCCAAATTCCTTAAGCGGCACATGTTTGTGATGTGTCCAGCGCCGCTGAAGAGGACATGCTAT
 GCTGGCACCGGAGGAAGTGTGGAGCAAAGCAACCCACCATGCTGGGGTTTCTGGAGGACTATGCCTTTG
 TGGTACGGGGCTCCTGGACCTGTACGAGGCTCACAGGAGAGCTCATGGCTTGAGTGGGCTCTGCGCCT
 GCAGGACACACAGGACAAGCTCTTCTGGGACCCCGAGGTGGTGGCTACTTCTGCAGTGAAGGCTGAGCTG
 GGGGCAGACCTGCCTCTTCGTCTGAAGGATGACCAGGATGGCGCAGAGCCAGTGCTAACTCTGTGTCGG
 CCCACAACCTCCTTCGGTTGCACAGCTTCACTGGCCACAAGGATTGGATGGACAAGTGTGTGTCCTGCT
 GACAGCCTTCTCTGAGCGCATGCGCCGCTCCAGTGGCCTTGCCTGAGATGGTCCGTACCCTCTCAGCT
 CAACAGCAGACTCTGAAGCAGATTGTGATCTGTGGAGACCCCAAGGACACCAAGGCCCTGCTGC
 AATGTGTCCACTCCATCTACGTCCCTAACAAGGTGCTCATTCTGGCTGATGGAGACCCATCGAGCTTCT
 GTCCCGTCAGCTTCCCTTCTTGAGCAGCCTTCAAGAGTGAAGACCGGGCCACAGTCTACATATTTGAG
 AACCAAGCCTGCTCCATGCCTATCACGGATCCCTGTGAGTTACGAAAGCTGCTACACCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

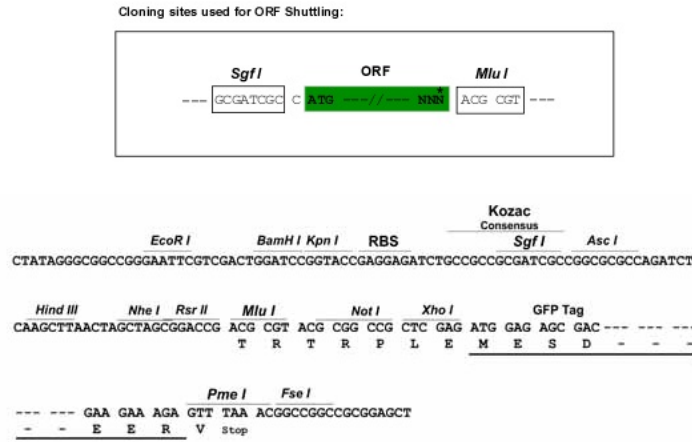
Protein Sequence: >MG210668 representing NM_144827
 Red=Cloning site Green=Tags(s)

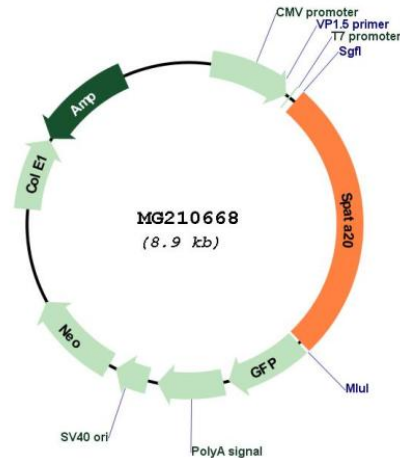
```
MSHHSSPPPKHKGEHKGHGLPRGSEGRSSSRDKDRSATTVSSSAPMPAGGKSSRTNCPPPAPPKTVNRLI
NEKSPYLLQHAYNPVDWYPWQEAFDKAKKENKPIFLSVGYSTCHWCHMEEESFQNEEIGRLLNENFIC
VMVDREERPVDVKVYMTFVQATSSGGGWPMNVWLTPLQPFVGGTYFPPEDGLTRVGFRTVLMRICDQWK
LNKNTLLENSQRVTTALLARSEISVGDRIQIPASAATMNSRCFQQLDEGYDEEYGGFAEAPKFPPTPVILNF
LFSYWLSHRLTQDGSRAQQMALHTLKMANGGIQDHVGGGFHRYSTDRQWHIPHFEMLYDQAQLSVVYT
QAFQISGDEFYADVAKGILQYVTRTLSHRSGGFYSAEDADSPPERGMKPQEGAYYVTVKEVQQLPEPV
VGASEPLTSGQLLMKHYGLSEVGNINSSQDPNGELHGQNVLMVRYSELETAARYGLEVEAVRALLNTGLE
KLFQARKHRPKAHLDNKMLAAWNGLMVSGFAVTGAALGMEKLVQATSGAKFLKRHMFDVSSGRLKRTCY
AGTGGTVEQSNNPCWGFLEDYAFVVRGLLDLYEASQESSWLEWALRLQDTQDKLFDWPRGGGYFCSEAE
GADLPLRLKDDQDGAEPSANSVSAHNLLRLHSFTGHKDWMDKCVCLLTAFSERMRRVPVALPEMVRTLSA
QQQTLKQIVICGDPQAKDTKALLQCVDHSIYVPNKVILADGDPSSFLSRQLPFLSSLRVDRATVYIFE
NQACSMPIITDPCELRKLHQ
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_144827

ORF Size: 2370 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:

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_144827.4](#), [NP_659076.2](#)

RefSeq Size: 2606 bp

RefSeq ORF: 2373 bp

Locus ID: 217116

UniProt ID: [Q80YT5](#)

Cytogenetics: 11 D

Gene Summary: May play a role in fertility regulation.[UniProtKB/Swiss-Prot Function]