

Product datasheet for **MR210668**

Spata20 (NM_144827) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata20 (NM_144827) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spata20
Synonyms:	Tisp78
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210668 representing NM_144827
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCACCATTCTCACCACCCCAAACATAGGGGGAGCACAAAGGCCACGGTCTCCCCGTGGTT
 CAGAAAGGGGCAGCTCTCCCGGACAAGGACCGAAGTGTACTACAGTTAGTAGTTCAGCGCCATGCC
 TGCTGGAGGAAAGTCAAGCCGACTAAGTGTCTCCACCTGCACCGCGAAGACCGTCAATCGCCTGATC
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 CCTTCGACAAGGCCAAAAAAGAAAAACAAGCCGATTTTTCTCTCAGTGGGGTACTCTACCTGTCACTGGT
 CCACATGATGGAGGAGGAATCCTTCCAGAATGAAGAGATAGGGCGCTGCTCAATGAGAACTTCATCTGT
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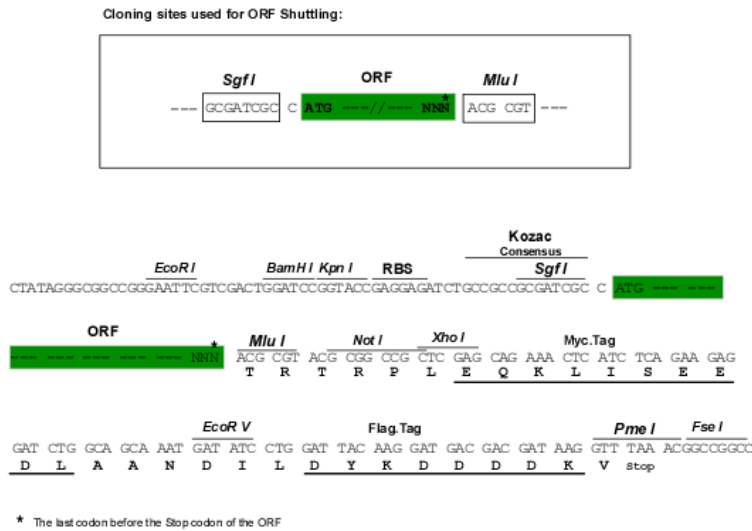
Protein Sequence: >MR210668 representing NM_144827
Red=Cloning site Green=Tags(s)

MSHHSSPPPKHKGEHKGHGLPRGSESGSSSRDKDRSATTVSSSAPMPAGGKSSRTNCPAPPKTVNRLI
NEKSPYLLQHAYNPVDWYPWQEAQFDKAKKENKPIFLSVGYSTCHWCHMMEEESFQNEEIGRLLNENFIC
VMVDREERPDVDKYYMTFVQATSSGGGWPMNVWLTPLQPFVGGTYFPPEDGLTRVGFRTVLMRICDQWK
LNKNTLLENSQRVTTALLARSEISVGDQRQIPASAATMNSRCFQQLEDEGYDEEYGGFAEAPKFPTPVILNF
LFSYWLSHRLTQDGSRAQQMALHTLKMMANGGIQDHVGGQGFHRYSTDRQWHIPHFEMLYDQAQLSVVYT
QAFQISGDEFYADVAKGILQYVTRTLSHRSGGFYSAEDADSPPERGMKPQEGAYYVTVKEVQQLLPEPV
VGASEPLTSGQLLMKHYGLSEVGNINSSQDPNGELHGQNVLMVRYSELETAARYGLEVEAVRALLNTGLE
KLFQARKHRPKAHLDNKMLAAWNGLMVSGFAVTGAALGMEKLVQATSGAKFLKRHMFDVSSGRLKRTCY
AGTGGTVEQSNNPCWGFLEDYAFVVRGLLDLYEASQESSWLEWALRLQDTQDKLFWDPGGGYFCSEAE
GADLPLRLKDDQGAEPSANSVSAHNLLRLHSFTGHKDWMDKCVCLLTAFSERMRRVPVALPEMVRTLSA
QQQTLKQIVICGDPQAKDTKALLQCVHSIYVPNKVILADGDPSSFLSRQLPFLSSLRVEDRATVYIFE
NQACSMPIITDPCELRKLHQQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9098_b09.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


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

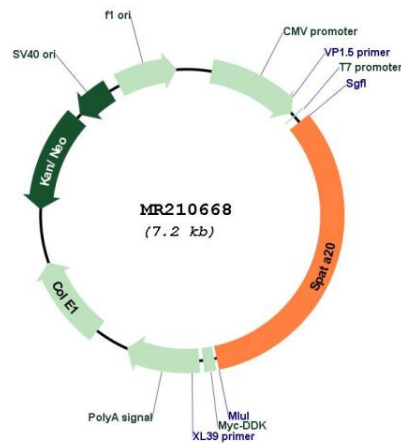
UniProt ID: [Q80YT5](#)

Cytogenetics: 11 D

MW: 88.5 kDa

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

Product images:



Circular map for MR210668