

Product datasheet for **RG234808**

SPATA20 (NM_001258373) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA20 (NM_001258373) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SPATA20
Synonyms:	HEL-S-98; SSP411; Tisp78
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG234808 representing NM_001258373
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCCTGCTGGAGGAAAGGAAGCCATCCTTCATCTACACCCAGAGGGTCCCCAACCGCTGATCCAG
 AGAAGTACCATACCTCCTACAACATGCCTACAATCCTGTGGACTGGTACCCCTGGGACAGGAAGCCTT
 CGACAAGGCCAGGAAGGAAAACAGCCGATTTTCTCTCAGTCGGGTACTCCACCTGCCACTGGTGCCAC
 ATGATGGAAGAGGAGTCTTCCAGAATGAGGAGATTGGCCGCTGCTCAGTGAGGACTTTGTGAGTGTGA
 AGGTAGACCGTGAGGAGCGGCTGACGTGGACAAGGTGTACATGACGTTCTGTCAGGCCACCAGCAGCG
 CGGGGGCTGGCCCATGAATGTGTGGTGAATCCCAACCTCCAGCCCTTTGTGGGGGCACCTATTTCCCT
 CCTGAGGATGGCTTGACCCGAGTCGGCTTCCGCACAGTGTGCTGAGAATACGAGAACAGTGAAACAGA
 ACAAGAACACCCTGCTAGAAAAAGCCAGCGTGTACCACTGCCCTGCTGGCCCGATCAGAGATCAGCGT
 GGGTGACCGCCAGCTGCCGCCCTCTGCCGCCACCGTGAACAATCGCTGCTTCCAGCAGCTGGATGAGGGC
 TATGATGAGGAATACGGTGGCTTCGCTGAGGCCCCCAAGTTTCCACGCCGGTGATCCTGAGCTTCTGT
 TCTCTACTGGCTCAGCCATCGACTGACTCAGGATGGCTCTCGGGCCAGCAGATGGCCTTGCAATCCCT
 GAAATGATGGCTAACGGGGGCATCCGGGACCATGTGGGGCAGGGCTTTACCGCTACTCCACAGACCGC
 CAGTGGCAGCTCCCTCACTTTGAGAAGATGCTCTATGACCAGGCACAGCTCGCTGTGGCCTATTCGAGG
 CTTTCCAGCTCTCTGGTGATGAATTTCTACTCTGACGTGGCCAAAGGCATCCTGCAGTACGTGGCTCGGAG
 CCTGAGCCACCGGTCCGGAGGCTTCTATAGCGCAGAAGATGCAGACTCGCCCCAGAGCGGGGCCAGCGG
 CCCAAAGAGGGCGCCTACTATGTGTGGACGGTCAAAGAGGTTACGAGCTCCTCCCGAGCCTGTGTTGG
 GTGCCACCGAGCGCTGACCTCAGGCCAGCTCCTCATGAAGCACTACGGCCTCACAGAGGCTGGTAACAT
 CAGCCCCAGTCAGGACCCCAAGGGGGAGCTGCAGGGCCAGAATGTGCTGACCGTCCGGTACTCGCTGGAG
 CTGACTGCTGCCCGCTTTGGCTTGATGTGAGGCGCTGCGGACCTTGCTCAATTCAGGGCTGGAGAAGC
 TCTTCCAGGCCCGGAAGCATCGGCCAAGCCGCACCTGGACAGCAAGATGCTGGCTGCCTGGAATGGCTT
 GATGGTGTGAGGCTATGCTGTGACTGGGCTGTCTGGGCCAAGACAGGCTGATCAACTATGCCACCAAT
 GGTGCCAAGTTCCTGAAGCGGCACATGTTTGATGTGGCCAGTGGCCGCTGATGCGGACCTGTACACCG
 GCCCTGGGGGACTGTGGAGCACAGCAACCCACCCTGCTGGGGCTTCTGGAGGACTACGCTTCGTGGT
 GCGGGGCTGCTGGACCTGTATGAGGCTCACAGGAGAGTGCGTGGCTCGAGTGGGCTCTCGGCTGCAG
 GACACACAGGACAAGCTCTTTTGGGACTCCAGGGTGGCGGCTACTTCTGCAGTGAGGCTGAGCTGGGG
 CTGGCCTGCCCTGCGTCTGAAGGACGACCAGGATGGAGCAGAGCCAGCGCCAATTCGCTGTACGCCA
 CAACCTGCTCCGGCTGCATGGCTTACGGGCCACAAGGACTGGATGGACAAGTGTGTGTGCTATTGACC
 GCCTTTTCCGAGCGCATGCGTCGTGTCCCGGTGGCGTTGCCCGAGATGGTCCGCGCCCTCTCAGCCAGC
 AGCAGACCCTCAAGCAGATCGTGATCTGTGGAGACCGTCAGGCCAAGGACACCAAGGCCCTGGTGCAGTG
 CGTCCACTCTGTCTACATTCTAACAAGGTGCTGATTCTGGCTGATGGGGACCCCTCGAGCTTCTGTCC
 CGCCAGCTGCCTTCTGAGTACCCTCCGACGGTTGGAAGACCAGGCCACTGCATATGTGTGTGAGAATC
 AAGCCTGCTCAGTGCCCATCACTGATCCCTGCGAATTACGAAAATACTACATCCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234808 representing NM_001258373
 Red=Cloning site Green=Tags(s)

MPAGGKGSHPSSTPQRPVNLIEHESPYLLQHAYNPVDWYPWGQEAQFDKARKENKPIFLSVGYSTCHWCH
 MMEESFQNEEIGRLLSEDFVSVKVDREERPDVDKYYMTFVQATSSGGGWPMNVWLTNLPQFVGGTYFP
 PEDGLTRVGFRTVLLRIREQWKQNKNTLLSENSQVRVTTALLARSEISVGDRQLPPSAATVNNRCFQQLDEG
 YDEEYGGFAEAPKFPTPVILSFLFSYWLSHRLTQDGSRAQQMALHTLKMANGGIRDHVGGQGFHRYSTDR
 QWHVPHEKMLYDQQLAVAYSQAFQLSGDEFYSDVAKGILQYVARSLSHRSGGFYSAEDADSPPERGQR
 PKEGAYYVWTVKEVQQLPEPVLGATEPLTSGQLLMKHYGLTEAGNISPSQDPKGELQGQNVLTVYSLE
 LTAARFGLDVEAVRTLLNSGLEKLFQARKHRPKPHLDSKMLAAWNGLMVSGYAVTGAVLGQDRLINYATN
 GAKFLKRHMFDVASGRLMRTCYTGPGGTVEHSNPPCWGFLEDYAFVVRGLLDLYEASQESAWLEWALRLQ
 DTQDKLFWDSQGGGYFCSEALGAGLPLRLKDDQDGAEPSANSVSAHNLLRLHGTGHKDWMDKCVCLLT
 AFSEMRMRVPVALPEMVRALSAQQTLKQIVICGDRQAKDTKALVQCVHSVYIPNKVLILADGDPSSFLS
 RQLPFLSTLRRLEDQATAYVCENQACSVITDPCELRKLLHP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001258373

ORF Size: 2226 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_001258373.1](#), [NP_001245302.1](#)

RefSeq Size: 2807 bp

RefSeq ORF: 2229 bp

Locus ID: 64847

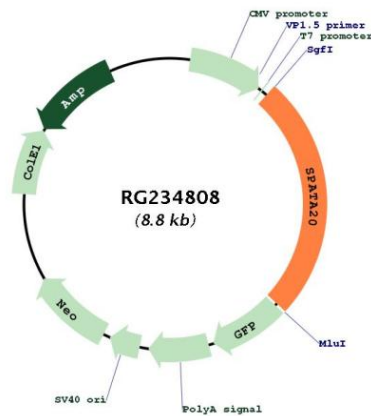
UniProt ID: [Q8TB22](#)

Cytogenetics: 17q21.33

Protein Families: Druggable Genome

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

Product images:



Circular map for RG234808