

Product datasheet for **RG206825**

SPATA20 (NM_022827) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA20 (NM_022827) 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:**

>RG206825 representing NM_022827
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCTGGGCGCGCGGCCTGGTTGGGCCGCGTCCTTCTGCTGCCCCGCGCCGGTGCAGGCCTCGCCGCA
 GCCGCAGGTGTCTTGAGTCTGGCCAGGACCTGGCCCCACAGGAGTCCCAGCAGGGGTAGCTCCTCCCG
 GGACAAGGACCGAAGTGCAGCGTCACTAGTTCAGTGCCCATGCCTGCTGGAGGGAAGGAAGCCATCCT
 TCATCTACACCCAGAGGGTCCCCAACCGCTGATCCACGAGAAGTACCATACTCCTACAACATGCCT
 ACAATCCTGTGGACTGGTACCCCTGGGGACAGGAAGCCTTCGACAAGGCCAGGAAGAAAACAAGCCGAT
 TTTCTCTCAGTCGGGTACTCCACCTGCCACTGGTGCCACATGATGGAAGAGGAGTCTTCCAGAATGAG
 GAGATTGGCCGCTGCTCAGTGAGGACTTTGTGAGTGTGAAGGTAGACCGTGAGGAGCGGCCTGACGTGG
 ACAAGGTGTACATGACGTTCTGTCAGGCCACCAGCAGCGCGGGGGCTGGCCATGAATGTGTGGCTGAC
 TCCCAACCTCCAGCCCTTTGTGCGGGGCACCTATTTCCCTCCTGAGGATGGCTTGACCCGAGTCGGCTTC
 CGCACAGTGTTGCTGAGAATACGAGAACAGTGGAAACAGAAACAAGAACACCCCTGCTAGAAAAATAGCCAGC
 GTGTCAACCACTGCCCTGCTGGCCCGATCAGAGATCAGCGTGGGTGACCGCCAGCTGCCGCCCTCTGCCGC
 CACCGTGAACAATCGCTGCTTCCAGCAGCTGGATGAGGGCTATGATGAGGAATACGGTGGCTTCGCTGAG
 GCGCCCAAGTTTCCACGCCCGGTGATCCTGAGCTTCTGTTCTCTACTGGCTCAGCCATCGACTGACTC
 AGGATGGCTCTCGGGCCAGCAGATGGCCTTGCCATACCTGAAAAATGATGGCTAACGGGGGCATCCGGGA
 CCATGTGGGGCAGGGCTTTCACCGCTACTCCACAGACGCCAGTGGCAGCTCCCTCACTTTGAGAAGATG
 CTCTATGACCAGGCACAGCTCGCTGTGGCTATTTCGAGGCCCTCCAGCTCTCTGGTGATGAATTCTACT
 CTGACGTGGCCAAAGGCATCCTGCAGTACGTGGCTCGGAGCCTGAGCCACCGGTCCGGAGGCTTCTATAG
 CGCAGAAAGATGCAGACTCGCCCCCAGAGCGGGGCCAGCGGCCAAAGAGGGCGCCTACTATGTGTGGACG
 GTCAAAGAGGTTCAACAGCTCCTCCCGAGCCTGTGTTGGGTGCCACCGAGCCGCTGACCTCAGGCCAGC
 TCCTCATGAAGCACTACGGCCTCACAGAGGCTGGTAACATCAGCCCCAGTCAGGACCCCAAGGGGAGCT
 GCAGGGCCAGAATGTGCTGACCGTCCGGTACTCGCTGGAGCTGACTGCTGCCCGCTTTGGCTTGATGTG
 GAGGCGGTGCGGACCTTGCTCAATTCAGGGCTGGAGAAGCTTTCAGGCCCGGAAGCATCGGCCCAAGC
 CGCACCTGGACAGCAAGATGCTGGCTGCCTGGAATGGCTTGATGGTGTGAGGCTATGCTGTGACTGGGGC
 TGTCTGGGCCAAGACAGGCTGATCAACTATGCCACCAATGGTGCCAAGTTCCTGAAGCGGCACATGTTT
 GATGTGGCCAGTGGCCGCTGATGCGGACCTGCTACACCGGCCCTGGGGGACTGTGGAGCACAGCAACC
 CACCCTGCTGGGGCTTCTGGAGGACTACGCCTTCGTGGTGCGGGGCCTGCTGGACCTGTATGAGGCCTC
 ACAGGAGAGTGCGTGGCTCGAGTGGGCTCTGCGGCTGCAGGACACACAGGACAAGCTCTTTTGGGACTCC
 CAGGGTGGCGGCTACTTCTGCAGTGAGGCTGAGCTGGGGGCTGGCCTGCCCTGCGTCTGAAGGACGACC
 AGGATGGAGCAGAGCCCAGCGCCAATTCGGTGTGAGCCCAACCTGCTCCGGCTGCATGGCTTCACGGG
 CCACAAGGACTGGATGGACAAGTGTGTGCGCTATTGACCGCCTTTCCGAGCGCATGCGTGTGCTCCCG
 GTGGCGTTGCCGAGATGGTCCGCGCCCTCTCAGCCCAGCAGCAGACCCTCAAGCAGATCGTGATCTGTG
 GAGACCGTCAAGGCAAGGACACCAAGGCCCTGGTGAGTGGTCCACTCTGTCTACATTCCTAACAAAGGT
 GCTGATTCTGGCTGATGGGGACCCCTCGAGCTTCTGTCCCGCCAGCTGCCTTTCCTGAGTACCCCTCCGA
 CGTTTGAAGACAGGCCACTGCATATGTGTGAGAATCAAGCTGCTCAGTGCCCATCACTGATCCCT
 GCGAATTACGAAAATACTACATCCA

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG206825 representing NM_022827
 Red=Cloning site Green=Tags(s)

MLGARAWLGRVLLLPRAGAGLAASRRCPGVWPRTWPHRSPSRGSSSRDKDRSATVSSSVPMAGGKGSHP
 SSTPQRVPNRLIHEKSPYLLQHAYNPVDWYPWGQEAFDKARKENKPIFLSVGYSTCHWCHMEEESFQNE
 EIGRLLSEDFVSVKVDREERPDVDKVMYTFVQATSSGGGWPMNVWLTNLPQPFVGGTYFPPEDGLTRVGF
 RTVLLRIREQWKQNKNTLLENSQRVTTALLARSEISVGDRQLPPSAATVNNRCFQQLDEGYDEEYGGFAE
 APKFPTPVILSFLFSYWLSHRLTQDGSRAQQMALHTLKMANGGIRDHVGQGFHRYSTDRQWHVPHFEKM
 LYDQACLAVAYSQAFQLSGDEFYSDVAKGILQYVARSLSHRSGGFYSAEDADSPPERGQRPKEGAYYVWT
 VKEVQQLPEPVLGATEPLTSGQLLMKHYGLTEAGNISPSQDPKGELQGQNVLTVRYSLELTAARFGLDV
 EAVRTLNSGLEKLFQARKHRPKPHLDSKMLAAWNGLMVSGYAVTGAVLGQDRLINYATNGAKFLKRHMF
 DVASGRMLMRTCYTGPGGTVEHSNPPCWGFLEDYAFVVRGLLDLYEASQESAWLEWALRLQDTQDKLFWDS
 QGGGYFCSEELGAGLPLRLKDDQDGAEPSANSVSAHNLLRLHGFTGHKDWMDKCVCLLTAFSERMRRVP
 VALPEMVRALSAQQTLKQIVICGDRQAKDTKALVQCVHSVYIPNKVLIADGDPSSFLSRQLPFLSTLR
 RLEDQATAYVCENQACSVITDPCELRKLLHP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_022827
ORF Size:	2406 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_022827.4](#)

RefSeq Size: 2640 bp

RefSeq ORF: 2409 bp

Locus ID: 64847

UniProt ID: [Q8TB22](#)

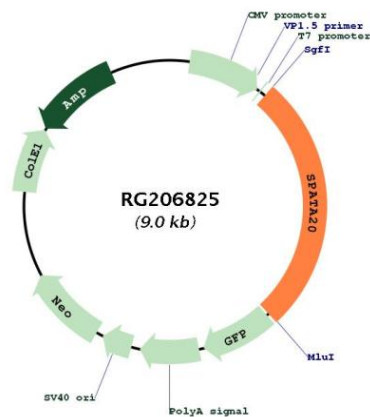
Cytogenetics: 17q21.33

Domains: DUF255

Protein Families: Druggable Genome

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

Product images:



Circular map for RG206825