

Product datasheet for **RC206825**

SPATA20 (NM_022827) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA20 (NM_022827) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPATA20
Synonyms:	HEL-S-98; SSP411; Tisp78
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

[View online »](#)

**ORF Nucleotide
Sequence:**

>RC206825 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGCGCGGGCCTGGTTGGGCCGCTCCTTCTGCTGCCCCGCGCCGGTGCAGGCCCTCGCCGCA
 GCCGCAGGTGTCTTGGAGTCTGGCCAGGACCTGGCCCCACAGGAGTCCCAGCAGGGGTAGCTCCTCCCG
 GGACAAGGACCGAAGTGCAGCGTCACTAGTTCAGTGCCCATGCCTGCTGGAGGGAAGGAAGCCATCCT
 TCATCTACACCCAGAGGGTCCCCAACCGCTGATCCACGAGAAGTACCATACTCCTACAACATGCCT
 ACAATCCTGTGGACTGGTACCCCTGGGGACAGGAAGCCTTCGACAAGGCCAGGAAGGAAAACAAGCCGAT
 TTTCTCTCAGTCGGGTACTCCACCTGCCACTGGTGCCACATGATGGAAGAGGAGTCTTCCAGAATGAG
 GAGATTGGCCGCTGCTCAGTGAGGACTTTGTGAGTGTGAAGGTAGACCGTGAGGAGCGGCTGACGTGG
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 GCGAATTACGAAAATACTACATCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC206825 protein sequence
 Red=Cloning site Green=Tags(s)

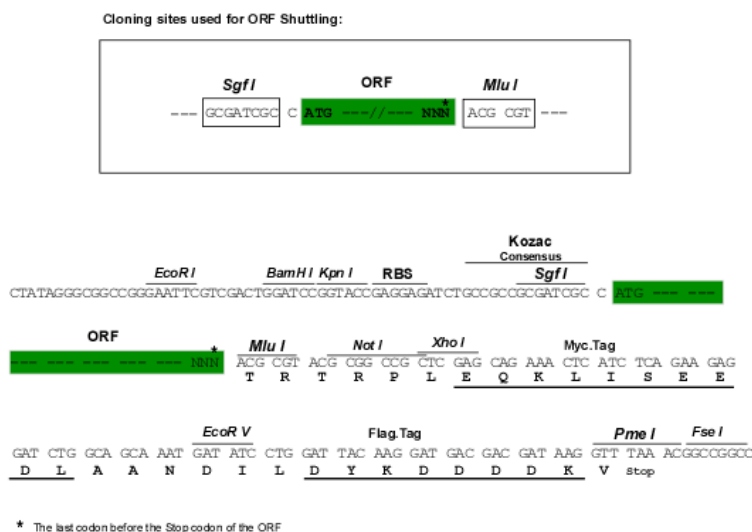
MLGARAWLGRVLLLPRAGAGLAASRRCPGVWPRTWPHRSPSRGSSSRDKDRSATVSSSVPMAGGKGSHP
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 EIGRLLSEDFVSVKVDREERPDVDKVMYTFVQATSSGGGWPMNVWLTNLPQPFVGGTYFPPEDGLTRVGF
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 APKFPTPVILSFLFSYWLSHRLTQDGSRAQQMALHTLKMANGGIRDHVGGFHRYSTDRQWHVPHFEKM
 LYDQAQLAVAYSQAFQLSGDEFYSDVAKGILQYVARSLSHRSGGFYSAEDADSPPERGQRPKEGAYYVWT
 VKEVQQLPEPVLGATEPLTSGQLLMKHYGLTEAGNISPSQDPKGELQGQNVLTVRYSLELTAARFGLDV
 EAVRTLNSGLEKLFQARKHRPKPHLDSKMLAAWNGLMVSGYAVTGAVLGQDRLINYATNGAKFLKRHMF
 DVASGRMLMRTCYTGPGGTVEHSNPPCWGFLEDYAFVVRGLLDLYEASQESAWLEWALRLQDTQDKLFWDS
 QGGGYFCSEELGAGLPLRLKDDQDGAEPSANSVSAHNLLRLHGFTGHKDWMDKCVCLLTAFSERMRRVP
 VALPEMVRALSAQQTLKQIVICGDRQAKDTKALVQCVHSVYIPNKVLIADGDPSSFLSRQLPFLSTLR
 RLEDQATAYVCENQACSVITDPCELRKLLHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6292_c12.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_022827.4](#)

RefSeq Size: 2752 bp

RefSeq ORF: 2409 bp

Locus ID: 64847

UniProt ID: [Q8TB22](#)

Cytogenetics: 17q21.33

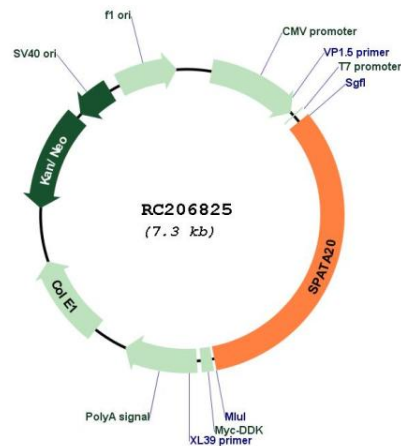
Domains: DUF255

Protein Families: Druggable Genome

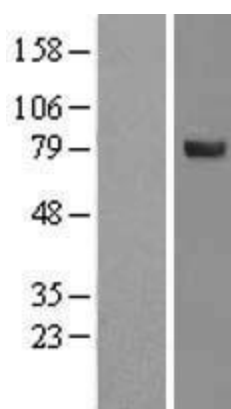
MW: 89.8 kDa

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

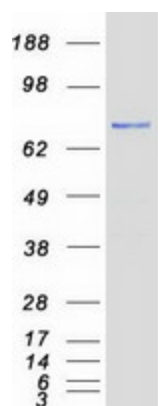
Product images:



Circular map for RC206825



Western blot validation of overexpression lysate (Cat# [LY411541]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206825 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SPATA20 protein (Cat# [TP306825]). The protein was produced from HEK293T cells transfected with SPATA20 cDNA clone (Cat# RC206825) using MegaTran 2.0 (Cat# [TT210002]).