

## Product datasheet for **RC227817**

### SPATA31D3 (NM\_207416) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA31D3 (NM_207416) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPATA31D3
Synonyms:	FAM75D3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC227817 representing NM\_207416  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGAATATCCTCTGTTTTCTGAACAGCTATACTGAGACAGGGCTGAGCCCTGACTCACATTGTTTGG  
 ATATTGACCTCAACTTCATCTGCTTGAGTGGGTTGGGTTGTTTATACTGTACTTGTCTACATGGTATT  
 GACCCTGTATTATCACCCACCGAAAAAATAATGACACCCAAAAGCATCAGGGCAGAGCCAGGAGGAAA  
 AGAAAAAGCGTGACATTTAAAGACCGGAAAAGTTGCAGAAGGAAGCAGAAGAGGAAAGAAAGCTACATT  
 CTTTTCTGAAAAGCTTTGGACCTCCTGTTTCTGCAGTCCCCTGGGCCAGCATCATGATACCACCCTCTT  
 TCGTCGACTGTTATGCCAGACCCTGTCTGTGGGTGTGTAACAGAGCAACTGCTGATATCCAGCGACTG  
 CTGTCTGGGAGTCCCTGAAAGATGCTGCTCCCTCTGTGTCCCCTTTGGCTTCTTCAGCTTCTGGGGCTG  
 AGTCATCGTTCACTCTGGCTTCCACCCCTCAGCAACCACTCCAGAAGACCTAATATTGCCTCTCGGCC  
 TAAGCCCTCTCCACCACCCCTTAATTCTCTCACCTGACCTGATCACCACCTTAGCTGACTTATTTTCA  
 CCCTCACCCTGAGGGACCCCTCTGCCACCACAGCCTGTTTCTCCCTTGGATTCCAAGTCCCCATAGACC  
 ATCCCCACCCCAACAGCTTCCCTTTCCCTTCTCCCACCACATCACATTGAGAGAGTGGAGCCAGCCT  
 CCAACCTGAGGCCAGTTTGTCTCTGAACACCATCTTTTCAATTTGGCTCCACCCTATGCCAAGATATTTCC  
 CAGGCCGTGAATCGCACTGATTCATGTGCTCGTCATCATGGACCACCAACCCCATCTGCTTTACCACCGG  
 AAGATTGCACTGTGACTCAGTCTAAATCAAATCTCACCGTCTTGAAGACTTTTCCGGAATGTTATCTCT  
 AGGTGGCTCTGGTGGGCATCCACCTCTGCCCCAACACGAAAGGCATTGACCATTATGCCCTGCATCT  
 TCAGAATCTCCTGGTGGCAGCCTCATGCCAAGGACTCTTTTTCTCTAATTTTGTGCCATCTGATTTCA  
 TGGAGGAGCTTCTTACCCTTCACTTCTTCTGAGGCCTCTTAGGGGGCAGCTCTGTGGCCAAACATCACA  
 GCCTGTTAACATCTCTTTTCTCAGCCATGACATTCCGGCACTCCTGGAGAGACAAGTCAAAAGAAGGGGT  
 GATTTCTGATGTGAAAAGAAAATGAAAAGAAACCAGGATCATTCCCAACACAACCTTAGGCCAAACTACC  
 AACTAAATTCCTCACGGAATATGTTAACCTCAACTGCTGTTAAGCATGACTTAGCAGAATCCTTTCTTTT  
 TTGGGCCAGTAAAGGCAAACTAGAGTGGCAGCACATCCATCAGCAGCCCCATATTCTAAGTGTTTTGGAG  
 GACCATTTAGAGCAAAAATATGTCCAGCTCTTCTGGGTCTCCCATCTTGCACAGCGAGTCTCTGCATC  
 TACTGTTTTTGTCCAACATGGCCGTCTCTCCATGTTTGTATTCTTCAATGGCATTACAAATACATCTAT  
 GTCCCATGAATCCCAGTACTTCCCTCCCAACCTCTGTTCTTGCTAGTACCAACCTCTACCCTTG  
 CCTCAAACCTGCCCGAGGTCACTCCCTACATCTCACTCAGGTGAAGTCCCTGGCTCAACCTCAATCTC  
 CATTCCCAGCCCTACCACCTAGTCTCTATTCTGATTAGGGTGTGTGGGTGTGTTTTCATAGACCCCA  
 GAATGAGGCACGGTCTCTTATGCCATCTGAAATTAATCATCTGGAGTGGAAACGTGTTGCAGAAAGTGCA  
 GAAAGTGTGTGGGTTTACCCTCTGTGGTTCAAAAATCCCAGGAAGACTTTTGTCTCCAGCTCCCAATC  
 CTGTATTGGTCAGAAAGTCTTCAAGGTCCATGTTCCCATCTCCATATTCTGAGATTTTCCACTCAG  
 CTCTGAGGTAAGGAAGAACTAGAGCAACATTCGAAAGAGGCTCATCCAGCGCAGATGGGGCCTGCC  
 CGCAGAATCCATGAGTCTCTGTCAATGCTACGTCCTCAGAACAAAATTCAGAGCTATCTGTGTGAGAGA  
 GCATTCATGGTCCATTAATATCTCTTTGGTTGAGGGTCAGAGGTGCAATGTTCTAAAGAAGTCCGCATC  
 AAGCTTCCCTAGAAGCTTCCACGAGAGGAGCTCAAATATGCTTTCCATGGAGAATGTGGGAATTAATCAG  
 GGATGCAGCCAGGAGACTGCCCAAAAAACCATCTCTTGATGATCCGGAGACATCTTCAGAGGAGGATC  
 TGAGGTCTAACTCTGAGAGAGACCTAGGAACATATGATGCATCTGTCAGGGAATGATTAGGGGTGAG  
 ACTAGGTGAGAAACAATGAAAATGCCCTGACAGTACATTTGAGCAAGAAATTTGAGGAAATCAATGAG  
 GGTGCAATGCCTGGGACTGTGCATAGTTTATGGCACTCAGTCAAGCAGACAATATGTCTTCTGAGAAAT  
 CCCACAGCAAATTAACATCGAAATTTGGCAGCATTGGTGAAGTGGACCACCGCTTGATACCTCCCA  
 GGAGATGCTCTTCTTAGTTCCAACAAAAGATGTTGGAAGCCCATATTAATCTTTCCATATGAAG  
 CCCATATTAATCTTTCCATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227817 representing NM\_207416  
 Red=Cloning site Green=Tags(s)

MENILCFLNSYTETGLSPDSHCLDIDLNFICLSGLGLFILYLFYMVLTLYSSPTEKNNDTQKHQGRARRK  
 RKSVTFFKDRKSLQKEAEEERKLHSFLKSFPPVSCSPLGQHDDTLFRRLLCPDPVCRVCNRATADIQRL  
 LSWESLKDAAPSVSPLASSASGAESSFTLASTPSATTPEDLILSSRPKSPPPPILLSPDLITTLADLFS  
 PSPLRDPLPPQVPVSPLDKFPIDHSPPQQLPFPLPPHHIERVEPSLQPEASLSLNTIFSGSTLCQDIS  
 QAVNRTDSCARHHGPPTPSALPPEDCTVTQSKSNLTVLKTFFPEMLSLGGSGSSTSAPTTKGIDHSCPAS  
 SEFSWWQPHAKDSFSSNFVPSDFMEELLTHSSEASLGGHSVANIQPVNI SFLSHDIPALLERQVKRRG  
 DFLMWKENGKKPGSFPTQLRPNYQLNSSRNMLTSTAVKHDLAESFPFWASKGKLEWQHIIHQPPYSKCFE  
 DHLEQKYVQLFWGLPSLHSESLHPTVFVQHGRSSMFVFFNGITNTSMSHESVLP PPPQPLFPSTQPLPL  
 PQTLP RQQLHLTQVKSLAQPSFPALPPSPLFLIRVCGVCFHRPQNEARSLMPSEINHLEWNLQKVQ  
 ESWGLPSVVQKSQEDFCPPAPNPVLRKSFKVHVPI SIIIPGDFPLSSEVRKKLEQHIRKRLIQRWGLP  
 RRIHESLSLLRPQNKISELSVSESIHGPLNISLVEGQR CNVLKKSASSFPRSFHERSSNMLSMENVGNYQ  
 GCSQETAPKNHLLHDPETSSEEDLRSNSERDLGTHMMHLSGNDSGVRLGQKQLENALTVHLSKKFEEINE  
 GRMPGTVHSSWHSVKQTICLPEKSHSQIKHRNLAALVSEDHRVDT SQEMSFSSNKQKMLEAHIKSFHMK  
 PTLNLSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk8037\\_d09.zip](https://cdn.origene.com/chromatograms/mk8037_d09.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



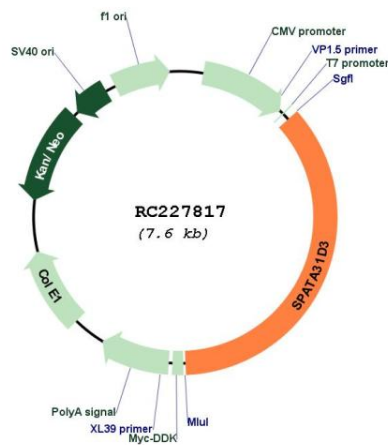
\* The last codon before the Stop codon of the ORF

ACCN: NM\_207416

ORF Size: 2751 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\\_207416.2](#), [NP\\_997299.2](#)
- RefSeq ORF:** 2754 bp
- Locus ID:** 389762
- UniProt ID:** [P0C874](#)
- Cytogenetics:** 9q21.32
- MW:** 102.2 kDa
- Gene Summary:** May play a role in spermatogenesis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC227817