

Datasheet for ABIN4945197

## Human SPATA31C2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	SPATA31C2
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human SPATA31C2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	3405 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGAGAATC TTCCCTTTCC TCTAAAATTA CTTAGTGCCT CATCACTAAA CACCCCCAGC TCCACACCAT GGGTGTGGA TATCTTCCTC ACCTTGGTGT TTGCCCTGGG GTTCTTCTTC CTATTACTCC CCTACTTCTC TTACCTCCGT TGTGACAACC CACCCTCACC ATCGCCTAAG AAGAGAAAGC GTCATCTTGT CTCCCAGCGT CCAGCAGGGC GGAGGGGGAG GCCCAGAGGC

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AGGATGAAAA ACCACAGTCT GAGAGCTTGT AGAGAGTGCC CGAGAGGCCT GGAGGAGACT  
TGGGACCTGC TTTCACAACT GCAGAGCCTC CTGGGGCCAC ACCTTGAAAA AGGTGACTTT  
GGTCAGCTCT CTGGTCCAGA CCCGCCAGGT GAGGTGGGCA AAAGAACACC TGATGGAGCC  
TCCCCGTCTC CTCATGAGCC TACGGAAGAC GCTGCTCCCA TTGTCTCCCC GTTAGCTTCC  
CCGGATCCTC GAACCAAGCA TCCTCAGGAT CTGGCCTCCA CCCCACCACC AGGCCCAATG  
ACCACCTCAG TCTCCTCCCT AAGTGCCTCC CAGCCACCAG AACCTTCCCT TCTCCTAGAA  
CATCCCTCAC CCGAGCCACC TGCACCTTTC CCTCACCCAC CACGCACTCC TGATCCTCTG  
GCCTGCTCTC CGCCTCCTCC GAAAGGCTTC ACTCCTCCTC CCCTGCGGGA CTCCACTCTG  
TTAACACCAT CTCACTGTGA CTCAGTGGCA CTTCCACTGG ACACCGTCCC TCAAAGCTTG  
TCTCCACGTG AGGATTTGGC GGCTTCTGTC CCAGGCATCT CAGGCCTTGG CGGCTCAAAC  
AGTCAAGTTT CTGCCCTCTC CTGGTCGCAG GAGACTACCA AAACCTGGTG CGTCTTCAAC  
TCGTCAGTCC AGCAAGATCA TCTTTCCCGC CAAAGGGACA CTACAATGTC CCCACTGCTT  
TTCCAGGCCC AGCCCCTGTC CCATCTGGAG CCTGAGTCCC AACCCTTTAT TTCATCCACA  
CCCCAATTCT GGCCACACC TATGGCTCAG GCCGAGGCTC AGGCCATCT TCAATCCTCT  
TTCCAGTCC TATCTCCTGC TTTTCTATCC CCGATGAAGA ACACTGGAGT AGCTTGCCCT  
GCGTCGCAGA ATAAAGTGCA AGCTCTCTCC CTACCTGAAA CTCAGCACCC TGAAAGGCCT  
TTGTTGAAGA AACAACTAGA AGGTGGGTTG GCTTTACCCT CTAGGGTCCA AAAATCTCAG  
GACGTCTTTA GTGTCTCCAC TCCTAACCTT CCCAGGAAA GACTGACATC CATTCTGCCT  
GAGAACTTTC CAGTCAGTCC TGAACCTGG AGACAACCTGG AGCAACACAT GGGGCAACGT  
GGAAGGATCC AAGAGTCTCT GGATCTGATG CAGCTTCAGG ATGAATTGCC AGGGACAAGT  
CAGGCCAAGG GCAAACCCAG GCCCTGGCAG TCCTCCACGT CCACAGGTGA AAGCAGCAAG  
GAGGCACAGA CGGTGAAGTT CCAGCTAGAG AGGGACCCAT GCCCACATCT GGGGCAAATT  
CTGGGTGAGA CCCCACAAAA TCTATCCAGG GGCATGGAAA GCTTCCCAGG GAAGTTCTG  
GGGGCGACCT CTGAGGAGTC GGAAAGGAAC CTGAGGAAGC CTTGAGGAG TGACTCAGGA  
AGTGATTTAT TAAGACGCAC AGAGAGGAAT CATATAGAAA ACATCCTGAA AGCCACATG  
AGCAGAAAGT TGGGCCAGAC CAACGAGGGC TTGATCCCCG TGAGTGTGCG TCGATCCTGG  
CTTGCTGTCA ACCAGGCTTT TCCCGTCTCC AACACCCACG TGAAAACCAG CAATCTAGCA  
GCCCCGAAAA GCAGGAAAGC CTGTGTGAAC ACAGCCCAGG TGCTTTCCTT CCTTGAGCCG  
TGTACTCAGC AGGTGCTGGG AGCCCATATT GTGAGGTTTT GGGCCAAACA CAGGTGGGGT  
CTACCCCTCA GGGTCTCAA GCCCATTCAG TGCTTTC AAC TGGAAAAGGT TTCATCCTTG  
TCCCTTATAC AGCTTGCTGG TCCCTCCTCA GACACCTGCG AATCTGGGGC TGGCTCAAAA  
GTTGAGGTGG CCACGTTCTT TGGAGAGCCA CCAATGGCAA GTCTGAGAAA GCAGGTGCTG  
ACCAAACCAT CTGTTACAT GCCAGAGAGG CTTCAGGCCT CCTCACCTGC ATGTAAGCAG  
TTCCAGAGGG CCCCAGGAGG GATCCCATCT TCGAATGATC ATGGGTCTT GAAGGCTCCT  
ACAGCTGGAC AGGAGGGCAG GTGGCCATCT AAGCCCCTCA CATAAGCCT CACAGGCAGC  
ACCCAGCAGA GCAGGAGCTT AGGAGCCCAA TCTTCAAGGG CTGGAGAGAC CAGGGAGGCA

## Product Details

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GTGCCACAAC CCACAGTCCC CTTGGGAACC TGTATGAGAG CAAACCTCCA AGCCACAAGT  
GAGGATGTGC GTGGTTTCAA GGCTCCAGGC GCCAGCAAAA GCTCTCTACT CCCTAGAATG  
TCTGTCTCCC AAGACCCAAG AAAGCTGTGT CTCATGGAGG AGGCTGTTAG TGAATTTGAG  
CCTGGAAAGG CCACGAAGTC AGAGACCCAG CCTCAAGTTT CTGCCACTGT TGTGCTCCTT  
CCAGATGGGC AAGCATCTGT TGTGCCCCAT GCTTCAGAGA ATTTGGCTTC TCAAGTGCCC  
CAGGGCCATC TCCAGAGCAT GCCTACTGGG AACATGCAGG CTCCCAGGA GCTATGTGAC  
CTCATGTGAG CCAGAAGGAG TAACATGGGG CACAAGGAGC CCAGGAACCC AAAGTGTCAA  
GGCTCATGCA AGAGCCAAAG CCCAATGTTT CCCCTACTC ACAAGAGGGA GAACTCTAGG  
AAGCCCAACT TAGAAAAACA TGAAGAAATG TTTCAAGGAT TGAGGACTCC TCAACTTACC  
CCAGGCAGGA AAACAGAAGA CACCCGTCAG AATGAAGGCG TCCAGCTACT GCCATCAAAG  
AAACAGCCTC CTTCAATAAG CCACTTTGGA GAAAACATCA AGCAATTTTT TCAGACGATT  
TTTTCAAAGA AAGAAAGGAA GCCAGCACCA GTCACTGCTG AGAGCCAAAA AACAGTAAAA  
AACAGATCAT GCGTGTACGG CAGCAGTGCT GAAGCTGAGA GGCTCATGAC AGCAGTTGGA  
CAGATACTGG AGGAGAACAT GTCACCTTGC CATGCGCGCC ATGCCTCGAA GGTAATCAG  
CAAAGACAGC AGTTTCAAGC CCCAGTCTGT GGGTTTCCCT GCAACCACAG ACACCCGTTT  
TACTCAGAAC ACAGCAGAAT GCTGAGCTAT GCAGCCAGCA GTCAACAAGC CACTCTCAAG  
AACCAGAGTC GTCCCAACAG AGACAGACAA ATCAGAGATC AGTAG

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer: 

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene: SPATA31C2

Alternative Name: SPATA31C2

Gene ID: 645961

NCBI Accession: [NM\\_001166137](#)

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## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)