

Datasheet for ABIN4946545

Human SPATA31A5 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	FAM75A5 (SPATA31A5)
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 SPATA31A5 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	4044 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGAGAATC TTCCCTTTCC TTTAAAATTA CTTAGTGCCT CATCGCTAAA CGCCCCCAGT TCCACACCAT GGGTGTGGA TATCTTCCTC ACTTTGGTGT TTGCCCTGGG GTTCTTCTTC CTATTACTCC CCTACTTATC TTA CTTCCTG TGTGATGACC CACCCTCACC ATCGCCTGGG AAGAGAAAGT GTCCAGTAGG GCGGAGGCGG AGGCCCAGAG GCAGGATGAA AAACCACAGT

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CTGAGAGCTG GTAGAGAGTG CCGGAGAGGC CTGGAGGAGA CTTCCGGACCT GCTTTCACAA
CTGCAGAGCC TCCTGGGGCC ACACCTTGAC AAAGGTGACT TTGGTCAGCT CTCCGGTCCA
GACCCCCCAG GTGAGGTGGG CGAAAGAGCA CCTGATGGAG CCTCCCAGTC CTCTCATGAG
CCTATGGAAG ATGCTGCTCC CATTCTCTCC CCGTTAGCTT CCCC GGATCC TCAAGCCAAG
CATCCTCAGG ATCTGGCCTC CACCCCATCA CCAGGCCCAA TGACCACCTC AGTCTCCTCC
CTAAGTGCCT CCCAGCCACC AGAACCTTCC CTTCCCCTAG AACACCCCTC ACCCGAGCCA
CCTGCACTTT TCCCTCACCC ACCACACACC CCTGATCCTC TGGCCTGCTC TCTGCCTCCT
CCAAAAGGCT TCACTGCTCC TCCCCTGCGG GACTCCACAC TGATAACTCC ATCTCACTGT
GACTCAGTGG CATTTCCTACT GGGCACCGTC CCTCAAAGCT TGCTCCACA TGAGGATTTG
GTGGCTTCTG TCCCAGCCAT CTCAGGCCTT GGTGGCTCAA ACAGTCATGT TTCTGCCTCC
TCCC GGTTGGC AGGAGACTGC CAGAACCTCG TGCGCCTTTA ACTCATCAGT CCAGCAAGAT
CATCTTTCCC GCCACCCACC AGAGACCTGT CAGATGGAAG CTGGTAGCCT GTTTTTGCTC
AGCTCTGATG GCCAGAATGT CGTGGGGATA CAAGTCACAG AACAGCCAA GGTCAACATT
TGGGAAGAAA AAGAAAATGT TGGATCATTT ACAAATCGAA TGACCCCGAGA AAAGCACTTA
AATTCTTTGC GGAATTTGGC TAAATCATTG GATGCTGAGC AGGACACCAC AAACCCAAAA
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CCTAGGCTCT GGCAGGAAAG TTTTTGGAAG AATTATAGCC AGCTTTTCTG GGGCCTCCCC
TCTCTGCACA GCGAGTCCCT GGTGGCTAAC GCCTGGGTAA CTGACAGGTC TTATACTTTA
CAGTCTCCTC CTTTCTTGTT CAATGAAATG TCCAATGTCT GCCCAATTCA AAGGGAGACT
ACAATGTCCC CACTGCTTTT CCAGGCCAG CCCCTGTCCC ATCTGGGGCC CGAGTGCCAA
CCCTTTATTT CATCCACACC CCAATTCCGG CCCACACCTA TGGCTCAGGC CGAGGCTCAG
GCCCATCTTC AATCTTCTTT CCCAGTCCTA TCTCCTGCTT TTCCATCCCT GATTGAGAAC
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CAGCACCTG AATGGCCTTT GTTGAGGAGA CAACTAGAAG GTAGGTTGGC TTTACCCTCT
AGGGTCCAAA AATCTCAGGA CGTCTTTAGT GTCTCCTCCTA CTAACCTTCC CCAGGAAAGT
TTGACATCCA TTCTGCCTGA GAACTTTCCA GTCAGTCCTG AACTCCGGAG ACAACTGGAG
CAACACATAA AAAAGTGGAT CATCCAACAC TGGGGCAACC TGGGAAGGAT CCAAGAGTCT
CTGGATCTGA TGCAGCTTCG GGATGAATCA CCAGGGACAA GTCAGGCCAA GGGCAAACCC
AGTCCCTGGC AGTCCCTCAT GTCCACAGGT GAAGGCAGCA AGGAGGCACA GAAGGTGAAG
TTCCAGCTAG AGAGGGACCC GTGCCACAT CTGGGGCAAA TTCTGGGTGA GACCCACAA
AATCTATCCA GGGATATGAA AAGCTTCCCA CGGAAGGTTT TGGGGGTGAC TTCTGAGGAG
TTGGAAAGGA ACTTGAGGAA GCCCTGAGG AGTGAATCGG GAAGTGATTT ATTAAGATGC
ACAGAGAGGA CTCATATAGA AAACATCCTG AAAGCCACA TGGGCAGGAA CTTGGGCCAG
ACCAACGAGG GCTTGATCCC CGTGTGTGTG CGTCGATCCT GGCTTGCTGT CAACCAGGCT
CTTCCCCTGT CCAACACCCA TGTGAAAACC AGCAATCTAG CAGCCCCGAA AAGTGGGAAA
GCCTGTGTGA ACACAGCCCA GGTGCTTTCC TTCCTCGAGC CGTGTACTCA GCAGGGGTTG

GGAGCCATA TTGTGAGGTT TTGGGCCAAA CACAGGTGGG GTCTACCCCT CAGGGTCCTC
AAGCCATTC AGTGCTTTAA ACTGGAAAAG GTTTCATCCT TGTCCCTTAC ACAGCTTGCT
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CTTAGAAAAGC CACCAATGGC AAGTCTGAGA AAGCAGGTGC TGACCAAAGC ATCTGATCAC
ATGCCAGAGA GTCTTCTGGC CTCCTCACCT GCATGGAAGC AGTTCAGAG GGCACCGCGA
GGAATCCCAT CTTGGAATGA TCATGAACCC TTGAAGCCTC CTCCAGCTGG ACAGGAGGGC
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TTAGGAGCCC AATCTTCAAA GGCTGGAGAG ACAAGGGAGG CAGTGCCACA ATGCAGAGTC
CCCTTGAAA CCTGTATGCT GGCAAACCTC CAAGCCACAA GTGAGGATGT GCATGGTTTC
GAGGCTCCAG GGACCAGCAA AAGCTCTCTA CACCCTAGAG TGTCTGTCTC CCAAGATCCA
AGAAAGCTGT GTCTTATGGA GGAGGTTGTT AATGAATTTG AGCCTGGAAT GGCCACAAAG
TCAGAGACCC AGCCTCAAGT TTGTGCCGCT GTTGTGCTCC TTCCAGATGG GCAAGCATCT
GTTGTGCCCC ACGCTTCAGA GAATTTGGTT TCTCAAGTGC CCCAGGGCCA TCTCCAGAGC
ATGCCTACTG GGAACATGCG GGCTTCCCAG GAGCTACATG ACCTCATGGC AGCCAGAAGG
AGCAAACCTGG TGCACGAGGA GCCCAGAAAC CCAAACCTGTC AAGGCTCATG CAAGAGCCAA
AGGCCAATGT TTCCCCTAT TCACAAGAGT GAGAAGTCTA GGAAACCCAA CTTAGAAAAA
CATGAAGAAA GGCTTGAAGG ATTGAGGACT CCTCAACTTA CCCAGTCAG GAAAACAGAA
GACACCCATC AGGATGAAGG CGTCCAGCTA CTGCCATCAA AGAAACAGCC TCCTTCAGTA
AGCCCCTTTG GAGAAAACAT CAAGCAAATT TTTCAAGTGA TTTTTTCAAA GAAAAAAGC
AAGCCAGCAC CAGTCACTGC TGAGAGCCAA AAAACAGTAA AAAACAGATC ACGTGTGTAC
AGCAGCAGTG CTGAAGCTCA GGGTCTCATG ACGGCAGTTG GACAAATGCT GGACGAGAAA
ATGTCACTTT GCCATGCGCG CCATGCCTCG AAGGTAAATC AGCACAAACA GAAGTTTCAA
GCCCCAGTCT GTGGGTTTCC CTGCAACCAC AGGCACCTCT TCTACTCAGA ACACGGCAGA
ATACTGAGCT ATGCAGCCAG CAGTCAACAA GCCACTCTCA AGAGCCAGGG TTGTCCCAAC
AGAGACAGAC AAATCAGAAA TCAACAGCCC TTGAAAAGTG TGCGGTGCAA CAATGAGCAA
TGGGGCCTGC GACATCCCCA AATCTTGAC CCCAAGAAAG CTGTATCCCC AGTCAGTCCC
CCTCAGCACT GGCCGAAGAC ATCCGGTGCC TCTAGCCACC ATCACCCTG TCCAAGGCAC
TGCTTTCTTT GGAAGGTAT CTGA

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'

Product Details

- 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

Gene: FAM75A5 (SPATA31A5)

Alternative Name: SPATA31A5

Gene ID: 727905

NCBI Accession: [NM_001113541](#)

Application Details

Restrictions: For Research Use only

Handling

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

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