Datasheet for ABIN4946541

Human SPATA31E1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	SPATA31E1
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 SPATA31E1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	4338 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGGAAATC TCGTCATCCC TCTAGGGAAG GGCAGGGCAG GCAGGGTTGA GAGTGGGCAG AGGATTCCAC CCCCAGCTCC CAGACCATCT GTGGAGTGCA CAGGAGACGA CATTGCACTT CAGATGGAGA AAATGCTCTT TCCTCTGAAG AGCCCTAGTG CCACATGGCT GAGCCCTAGC TCCACTCCCT GGATGATGGA TTTCATCCTC ACCAGTGTGT GTGGCCTAGT GCTCCTCTTC

CTATTGCTCC TCTACGTCCA CAGTGACCCA CCCTCACCCC CGCCCGGGAG GAAGAGGAGC
AGCAGGGAGC CTCAAAGGGA GAGAAGCGGG AGGTCCAGGA GCAGGAAGAT CTCAGCTCTG
AAAGCTTGCA GAATCCTCCT GAGGGAGCTG GAGGAGACTC GGGACCTGAA CTACCTTCTG
GAAAGCCACC TGAGGAAGCT CGCTGGCGAA GGCAGCTCCC ACCTGCCCTT AGGTGGAGAC
CCCCTGGGGG ACGTGTGTAA ACCAGTGCCT GCTAAGGCCC ACCAGCCGCA TGGGAAATGC
ATGCAAGATC CGTCTCCTGC CAGCTTGTCC CCACCAGCTC CCCCAGCTCC TCTGGCCTCC
ACCCTGTCAC CAGGCCCGAT GACCTTCTCA GAGCCTTTTG GACCACACTC AACCCTGAGT
GCCTCCGGGC CACCAGAGCC CTTGCTTCCC CTAAAATGCC CTGCAACCCA GCCACATGTG
GTTTTTCCTC CTTCACCACA GCCGCATGGT CCCCTGGCCT CCTCTCCACC TCCACCCGAC
TCCAGCCTGG CTGGACTTCA GTGTGGCTCC ACAACATGCC CCGTCCCCCA GAGCTCCCCT
CTACACAACC AGGTGCTGCC TCCTCCAACC AGGGTGATCT CTGGCCTGGG GTGCTCCAGC
GATCCCATCT GGGACCTCTA TTGCTGGAGG GAGGCTGCCA CCACCTGGGG CCTCTCCACC
TACTCACATG GCAAATCCCA GCCACGGCAT CTTCCCGACC ACACCTCAGA GGCTTCCTTC
TGGGGAGACC CCACACCCAA GCACATGGAG GTAGGTGGCT GCACATTCAT CCACCCTGAC
GTGCAGAAGC TGCTGGAGAC CCTCATCGCC AAGAGAGCAC TGATGAAGAT GTGGCAGGAG
AAAGAAAGAA AACGGGCCGA CCACCCGCAC ATGACATCAC TGGGGAAGGA GTGGGACATC
ACGACCCTAA ATCCCTTCTG GAACGTGTCA ACCCAGCCAC AGCAGCTGCC CCGTCCTCAG
CAAGTCTCTG ATGCCACAAC CGTGGGGAAC CACTTACAGC AGAAACGCAG CCAGCTTTTC
TGGGACCTCC CCTCTCTCAA TAGCGAGTCC CTGGCGACCA CAGTCTGGGT TTCTAGGAAC
CCTTCCTCAC AGAATGCACA CTCTGTACCA CTGGATAAAG CCTCCACTTC TCTTCCAGGT
GAACCTGAGG TTGAGGCATC CTCACAGCTT TCCCAGGCAC CGCCCCAGCC CCACCACATG
GCCCAGCCCC AACATTTCAC TCCAGCCTGG CCCCAGTCCC AGCCCCCACC TTTGGCTGAG
ATCCAGACCC AGGCCCACCT CTCACCCCCT GTCCCAAGCC TGGGGTGCTC TTCTCCACCC
CAGATTAGGG GCTGTGGGGC ATCTTACCCT ACATCCCAGG AGAGGACACA GTCTGTCATC
CCCACTGGAA AGGAGTATCT TGAATGGCCC TTGAAGAAGC GACCAAAGTG GAAGAGGGTT
TTGCCCTCTC TCCTCAAAAA GTCTCAGGCT GTTCTGAGCC AGCCCACTGC CCACCTTCCC
CAAGAGAGGC CGGCCTCCTG GAGCCCCAAG TCAGCCCCCA TCCTTCCCGG GGTTGTCACC
AGCCCTGAGC TCCCAGAGCA CTGGTGGCAA GGAAGGAATG CCATCCACCA GGAGCAGTCC
TGTGGCCCTC CCAGCAGATT GCAGGCATCT GGGGACCTGC TACAGCCTGA TGGGGAATTC
CCAGGGAGGC CCCAGAGTCA GGCAGAAGAC ACGCAGCAGG CCCTCTTGCC CTCCCAGCCT
TCTGACTTTG CAGGGAAGGG CAGGAAGGAT GTGCAGAAGA CCGGGTTCAG GAGCTCCGGA
AGGTTCTCTG ACAAGGGGTG CTTAGGGTCC AAACTAGGGC CGGACCCAAG CCGGGATCAA
GGCTCAGGAA GGACCTCAGT GAAGGCTCTG GACGAAGACA AGGAGGCAGA AGGTGACTTA
CGGAGGTCCT GGAAGTACCA ATCAGTAAGT TCCACACCCA GGGACCCAGA CAAGGAGCAT
CTGGAAAACA AGCTGCAAAT CCATCTGGCC AGGAAGGTAG GGGAGATCAA AGAGGGCTGG
ATCCCCATGC CTGTGCGTCG CTCCTGGCTC ATGGCCAAAT GTGCTGTTCC CAAGTCTGAC

	ACCCACAGGA AACCTGGGAA GCTGGCATCC TGGAGGGGTG GGAAAGCCCA CGTGAACACC TCCCAGGAGC TTTCCTTCCT CCATCCCTGC ACCCAGCAGA TACTGGAAGT ACATCTTGTA AGGTTCTGTG TGAGGCACAG CTGGGGTACA GACCTCCAGT CCCTGGAGCC CATAAATGTC TGGTCAGGTG AGGCTCAGGC CCCGCCCTTC CCACAATCCA CCTTTACCCC CTGGGCCTCC TGGGTATCTC GGGTTGAATC TGTACCCAAG GTTCCCATTT TCCTGGGAAA ACGTCCTCAG AATGGTCCAG GAGACAACAG AACAACAAGC AAGTCAGTCC CGACCGTGAG TGGCCCTCTC GCTGCCCCAC CGCCTGAGCA GGAGGGAGTC CAGAGGCCCC CGAGAGGGTC CCAGTCAGCT GATACCCATG GGCGATCAGA GGCCTTTCCG ACTGGACACA AGGGCAGGGG GTGTTCTCAG CCCCCAACAT GCAGCCTTGT GGGCAGAACC TGGCAGAGCA GGACTGTCCT GGAATCCGGG AAACCCAAAC CCAGACTAGA GGGGAGTATG GGTTCAGAAA TGGCTGGGAA CGAGGCATGG CTTGAGAGTG AGAGCATGTC CCCAGGAGAC CCCTGTAGTA GCAGAGCCCT GCAAGTGCTC AGCATAGGGT CCCAGTGGGC AAGGGCTGAA GATGCCCTGC AGGCACTGAA AGTGGGGGAG AAGCCCCCAA CTTGGGAAGT CACCTTGGGA GCCAGTGTGA GGGCAAGTTC GGGAAGTGTT CAGGAGGATC TGAGGAGCAC AGGGGCTCTG GGGACCACTG GTAACCCCTC AGCGTCTTCA GTCTGTGTTG CTCAGGATCC AGAGCAGCTG CACCTGAAAG CGCAGGTGGT CAGTGAGATT GCGCTCATAG TGCAGGTGGA CTCAGAGGAG CAGCTGCCAG GCCGTGCCCC GGGCATCCTC CTCCAGGACG GCGCCACAGG CCTGTGCCTT CCAGGCCGCC ACATGGACAT GCTCACTGCC GCAGACAGGC TGCCCACTCA AGCCCCTCTG TCCACCTCCC AGAGTGTGTC TGGTAAGAAC ATGACAGCTT CCCAGGGGCC ATGTGCCCTC CTATGGAAGG GAGGGGACAG TCCAGGGCAG CAGGAGCCTG GGAGCCCAAA AGCAAAGGCC CCACAGAAGA GTCAGAAGAC GCTGGGCTGT GCGGACAAGG GCGAGGCCCA CAGGAGGCCC AGAACAGGGG AGCAGGGACA CAGGTCCAAG GGACCCAGGA CCTCTGAAGC CAGTGGGAGG AGCCACCCTG CCCAAGCCAG GGAAATAGGA GACAAACAAG AAAGGAAATA CAACCAGCTT CAGCTGGAGA AGGGACAGAC ACCACCAGAA AGCCACTTCC AGAGAAAGAT CAGTCACCAT CCACAGGGTC TACACCCCAG GAAAGGAGGC ACACGGTGGG AAGATGTCCT GCAGAAAGGC AAGCCTGGGG CAGATGCTTT CCAGAGCTGG GGGTCTGGCC CACCAAGGCA GTTTATGGAC TGCATGGCTG ACAAAGCCTG GACCATCAGC AGAGTTGTGG GACAAATCCT GGTGGACAAA CTGGGGCTTC AGTGGGGACG AGGTCCCTCA GAGGTCAATC GCCACAAAGG TGACTTCCGC GCCCAGGAGA ATGTGCCTTC CTGCTGCCAC AGGGGTCACT GCCACCAAGA ACGTAGCAGA GAGATGAGAG CTCTGGCCTG CAGCCCTAAA GCCACCCCCA AGGGCCACCA CTGTCCTGTC AAAAACAGGG GCATCAGAGA CAGAGACAGC AGTTGGGCCC CACCTCCCAG GGAGCCTGTG TCCCCAGCTG GTCCCCACCA CCACAGGCCA AGAATGGCAA GCACCTCGGG CGGCCCCCAT CCACAGCTGC AGGAACTGAT GTCTGCACAG AGGTGTCTTG CCTCCTGA
Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Product Details

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

Gene:	SPATA31E1
Alternative Name:	SPATA31E1 (SPATA31E1 Products)
Gene ID:	286234
NCBI Accession:	NM_178828

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)