

Product datasheet for RC206917

SPATA31A7 (NM_015667) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SPATA31A7
Synonyms:	AEPI; C9orf36; C9orf36A; FAM75A4; FAM75A7; SPATA31A4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC206917 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAAACCACTCTGAGAGCTGGTAGAGAGTGCCCGAGAGGCCTGGAGGAGACTTCGGACCTGCTTT
CACAACCTGCAGAGCCTCCTGGGGCCACACCTTGACAAAGGTGACTTTGGTCAGCTCTCCGGTCCAGACCC
CCCAGGTGAGGTGGGTGAAAGAGCACCTGATGGAGCCTCCAGTCCTCTCATGAGCCTATGGAAGATGCT
GCTCCCATTTCTCTCCCGTTAGCTTCCCGGATCCTCAAGCCAAGCATCCTCAGGATCTGGCCTCCACCC
CATCACCAGGCCCAATGACCACCTCAGTCTCCTCCCTAAGTGCCTCCAGCCACCAGAACCTTCCCTTCC
CCTAGAACACCCCTCACCCGAGCCACCTGCACTTTTCCCTACCCACCACACACCCCTGATCCTCTGGCC
TGCTCTCTGCCTCCTCCAAAGGCTTCACTGCTCCTCCCTGCGGGACTCCACACTGATAACTCCATCTC
ACTGTGACTCAGTGGCATTTCCTGAGGACCGTCCCTCAAAGCTTGTCTCCACATGAGGATTTGGTGGC
TTCTGTCCAGCCATCTCAGGCCTTGGTGGCTCAAACAGTCATGTTTCTGCCTCCTCCCGGTGGCAGGAG
ACTGCCAGAACCTCGTGCGCCTTTAACTCATCAGCCAGCAAGATCATCTTTCCCGCCACCCACAGAGA
CCTGTGAGATGGAAGCTGGTAGCCTGTTTTGCTCAGCTCTGATGGCCAGAATGTCGTGGGGATACAAGT
CACAGAAACAGCCAAGGTCAACATTTGGGAAGAAAAAGAAATGTTGGATCATTTACAAATCGAATGACC
CCAGAAAAGCACTTAAATTATTTGCGGAATTTGGCTAAATCATTGGATGCTGAGCAGGACACCACAAACC
CAAAACCCCTCTGGAACATGGGAGAGAACTCGAAACAGCTGCCCGACCTCAGAAGCTCTCAGATCCTAG
GCTCTGGCAGGAAAGTTTTTGAAGAATTATAGCCAGCTTTTCTGGGGCCTCCCTCTCTGCACAGCGAG
TCCCTGGTGGCTAACGCTGGTAACTGACAGGTCTTATACTTTACAGTCTCCTCTTCTTGTTCATG
AAATGTCCAATGTCTGCCAATTCAAAGGGAGACTACAATGTCCCACTGCTTTTCCAGGCCAGCCCCC
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AGCCCTTGAAGAGTGTGCGGTGCAACAATGAGCAATGGGGCTGCGACATCCCCAAATCTTGACCCCAA
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CACTGTCCAAGGCACTGTCTTCTTTGGGAAGGTATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206917 protein sequence
Red=Cloning site Green=Tags(s)

MKNHSLRAGRECPRGLEETSDLLSQLQSLLGPHLDKGFQQLSGDPDPPEVGERAPDGAQSSSHEPMEDA
APILSPLASPDQAKHPQDLASTPSGPMTTSVSSLSASQPPEPSLPLEHPSPEPPALFPHPPHTPDPLA
CSLPPPKGFTAPPLRDSTLITPSHCDSVAFPLGTVPQSLSPHEDLVASVPAISGLGGSNSHVSASSRWQE
TARTSCAFNSSAQDHLRHPPETCQMEAGSLFLLSSDGQNVVGIQVTETAKVNIWEEKENVGSFTNRM
PEKHLNLYLRNLAKSLDAEQDITNPKPFWNMGENSEKQLPGPQKLSDPRLWQESFWKNYSQLFWGLPSLHSE
SLVANAWVTDRSYTLQSPFPLFNEMSNVCIQRETTMSPLLFAQPPSHLGPECQPFISSTPQFRPTPMA
QAEAQAHLQSSFPVLSAPAFPSLIQNTGVACPASQNKVQALSLPETQHPEWPLLRRQLEGRALPSRVQKS
QDVFVSVPNPLQESLTSILPENFVSPELRRQLEQHIKKVETIQHWGNLGRIQESLDLMLRDESPGTSQ
AKGKPSWDQSSMSTGESSKAQVKFQLERDDCPHGLQIGLGETPQNLSDRMKSPFRKVLGVTSEELSRQ
RKPLRDSGSDLLRCTERTHIENILKAHMGRNLGQTNEGLIPVCVRRSWLVANVQALPVSTNTHVKTSLNAA
PKSGKACVNTAQVLSFLEPCTQQGLGAHIVRFWAKHRWGLPLRVLKPIQCFKLEKVSSLSLTQLAGPSSA
TCESGAGSEVEVDMFLRKPPMASLRKQVLTKASDHMPESLLASSPAWKQFQRAPRGIPSWNDHEPLKPPP
AGQEGRWPSKPLTYSLTGSIQQSRLGAQSSKAGETREAVPQCRVPLETCMLANLQATSEDVHGFEAPGT
SKSSLHPRVSVSQDPKRLCLMEEVVNEFEPMATKSETQPQVCAAVVLLPDGQASVVPHASENLVSQVPQ
GHLQSMPTGNMRASQELHDLMAARRSKLVHEEPRNPNCQGSKSQRPMFPPHKKSEKSRKPNLEKHEERL
EGLRTPQLTPVRKTEDTHQDEGVQLLPSKKQPPSVSPFGENIKQIFQWIFSKKSKSPAPVTAESQKTVKN
RSRAYSSSAEAQGLMTAVGQMLDEKMSLCHARHASKVNQHKQKFQAPVCGFPNCNHRHLFYSEHGRILSYA
ASSQCATLKSQGLCPNRRDQIRNQPLKSVCRCNNEQWGLRHPQILHPKKAVSPVSPQHPKTSAGASSHHH
HCPRHCIWEGT

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

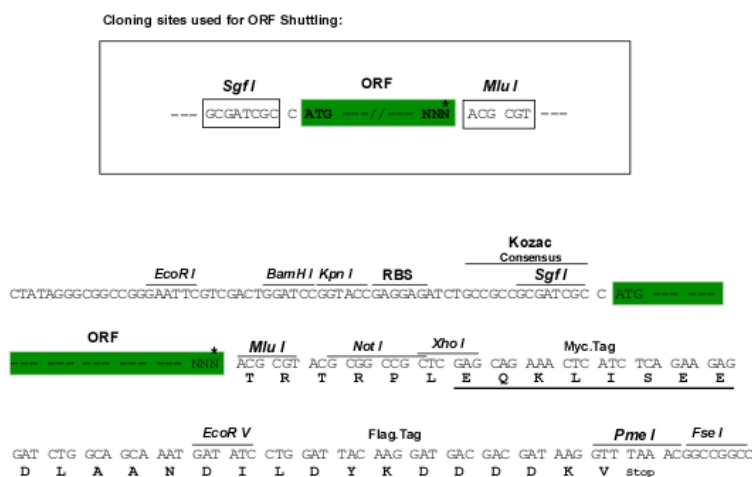
Chromatograms:

https://cdn.origene.com/chromatograms/mk6819_h12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN:

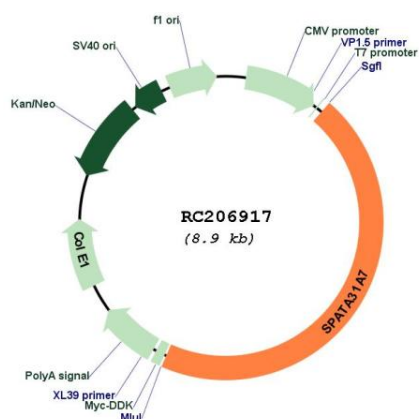
NM_015667

ORF Size:

3816 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_015667.2 , NP_056482.2
RefSeq Size:	4223 bp
RefSeq ORF:	4044 bp
Locus ID:	26165
UniProt ID:	Q8IWB4
Cytogenetics:	9q12
Protein Families:	Transmembrane
MW:	140.2 kDa
Gene Summary:	May play a role in spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC206917