

Product datasheet for **SC319030**

SPATA31A5 (NM_001113541) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA31A5 (NM_001113541) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPATA31A5
Synonyms:	FAM75A5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC319030 representing NM_001113541. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGAGAATCTTCCCTTTCTTTAAATTACTTAGTGCCTCATCGCTAAACGCCCCAGTTCCACACCA
TGGGTGTTGGATATCTTCTCACTTTGGTGTGGCCCTGGGGTTCTTCTCCTATTACTCCCTACTTA
TCTTACTTCCGTTGTGATGACCCACCCTCACCATCGCCTGGGAAGAGAAAGTGCCAGTAGGGCGGAGG
CGGAGGCCAGAGGCAGGATGAAAAACACAGTCTGAGAGCTGGTAGAGAGTGCCGGAGAGGCCTGGAG
GAGACTTCGGACCTGCTTTCACAACTGCAGAGCCTCTGGGGCCACACCTTGACAAAGGTGACTTTGGT
CAGCTCTCCGGTCCAGACCCCGAGGTGAGGTGGGCGAAAGAGCACCTGATGGAGCCTCCAGTCCCTCT
CATGAGCCTATGGAAGATGCTGCTCCCATTCTCTCCCGTTAGCTTCCCGGATCCTCAAGCCAAGCAT
CCTCAGGATCTGGCCTCCACCCCATCACCAGGCCAATGACCACCTCAGTCTCCTCCCTAAGTGCCTCC
CAGCCACCAGAACCTTCCCTTCCCTAGAACACCCCTCACCCGAGCCACCTGCACTTTTCCCTCACCCA
CCACACACCCCTGATCCTCTGGCCTGCTCTGCTCCTCCAAAAGGCTTCACTGCTCCTCCCTGCGG
GACTCCACACTGATAACTCCATCTCACTGTGACTCAGTGGCATTTCCTGAGGACCGTCCCTCAAAGC
TTGTCTCCACATGAGGATTTGGTGGCTTCTGTCCAGCCATCTCAGGCCTTGGTGGCTCAAACAGTCAT
GTTTCTGCCTCTCCCGTGGCAGGAGACTGCCAGAACCTCGTGCGCCTTAACTCATCAGTCCAGCAA
GATCATCTTTCCCGCCACCCACAGACCTGTGAGTGAAGCTGGTAGCCTGTTTTGCTCAGCTCT
GATGGCCAGAATGTCGTGGGATACAAAGTCACAGAAACAGCCAAGGTCAACATTTGGGAAGAAAAAGAA
AATGTTGGATCATTTACAAATCGAATGACCCAGAAAAGCACTTAAATTCTTGGGAATTTGGCTAAA
TCATTGGATGCTGAGCAGGACACCACAAACCCAAACCTTCTGGAACATGGGAGAGAACTCGAAACAG
CTGCCCGACCTCAGAAGCTCTCAGATCCTAGGCTCTGGCAGGAAAGTTTTTGAAGAATTATAGCCAG
CTTTTCTGGGGCTCCCTCTCTGCACAGCGAGTCCCTGGTGGCTAACGCCTGGGTAAGTACAGGTCT
TATACTTTACAGTCTCCTCTTTCTTGTCAATGAAATGTCCAATGTCTGCCAATTCAAAGGGAGACT
ACAATGTCCCACTGCTTTTCCAGGCCAGCCCTGTCCATCTGGGGCCGAGTGCCAACCTTTATT
TCATCCACACCCCAATTCGGGCCACACCTATGGCTCAGGCCGAGGCTCAGGCCATCTCAATCTTCT



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TTCCAGTCCTATCTCCTGCTTTTCCATCCCTGATTGAGAACTGGAGTAGCTTGCCCTGCATCGCAG
 AATAAAGTGCAAGCTCTCTCCCTACCTGAAACTCAGCACCTGAATGGCCTTTGTTGAGGAGACAACTA
 GAAGGTAGGTTGGCTTTACCTCTAGGGTCCAAAAATCTCAGGACGTCTTTAGTGTCTCCACTCCTAAC
 CTTCCCAGGAAAGTTTGACATCCATTCTGCCTGAGAAGTTTCCAGTCAGTCCTGAACTCCGGAGACAA
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 GATCTGATGCAGCTTCGGGATGAATCACCAGGGACAAGTCAGGCCAAGGGCAAACCCAGTCCCTGGCAG
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 TGCCACATCTGGGGCAAATTCTGGGTGAGACCCCAAAAATCTATCCAGGGATATGAAAAGCTTCCCA
 CGGAAGGTTCTGGGGTGACTTCTGAGGAGTTGAAAAGGAACTTGAGGAAGCCCTTGAGGAGTGACTCG
 GGAAGTGATTTATTAAGATGCACAGAGAGGACTCATATAGAAAACATCCTGAAAGCCACATGGGCAGG
 AACTTGGGCCAGACCAACGAGGGCTTGATCCCCGTGTGTGCGTCGATCCTGGCTTGCTGTCAACCAG
 GCTCTTCCCGTGTCCAACACCCATGTGAAAACAGCAATCTAGCAGCCCCGAAAAGTGGGAAAGCCTGT
 GTGAACACAGCCAGGTGCTTTCCTTCTCGAGCCGTGACTCAGCAGGGGTTGGAGGCCATATTGTG
 AGGTTTTGGGCCAAACACAGGTGGGTCTACCCCTCAGGGTCTCAAGCCATTCAAGTCTTTAACTG
 GAAAAGTTTTCATCCTTGTCCCTTACACAGCTTGTGGTCCCTCCTCAGCCACCTGTGAATCTGGGGCT
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 ACCAAAGCATCTGATCAGATGCCAGAGAGTCTTCTGGCCTCCTCACCTGCATGGAAGCAGTTCAGAGG
 GCACCGCAGGAATCCCCTCTTGAATGATCATGAACCTTGAAGCCTCCTCCAGCTGGACAGGAGGGC
 AGGTGGCCATCTAAGCCCTCACGTACAGCCTCACAGGCAGCATCCAGCAGAGCAGGAGCTTAGGAGCC
 CAATCTTCAAAGGCTGGAGAGACAAGGGAGGCAGTGCCACAATGCAGAGTCCCCTTGAAACCTGTATG
 CTGGCAAACCTCCAAGCCACAAGTGAGGATGTGCATGGTTTCGAGGCTCCAGGGACCAGCAAAAGCTCT
 CTACACCTAGAGTGTCTGTCTCCCAAGATCCAAGAAAGCTGTGTCTTATGGAGGAGTTGTTAATGAA
 TTTGAGCCTGGAATGGCCACAAAGTCAGAGACCCAGCCTCAAGTTTGTGCCGCTGTTGTGCTCCTTCCA
 GATGGGCAAGCATCTGTTGTGCCCCACGCTTCAGAGAATTTGGTTTCTCAAGTGCCCCAGGGCCATCTC
 CAGAGCATGCCTACTGGGAACATGCGGGCTTCCAGGAGCTACATGACCTCATGGCAGCCAGAAGGAGC
 AAAGTGTGCACGAGGAGCCAGAAACCCAACTGTCAAGGCTCATGCAAGAGCCAAAGGCCAATGTTT
 CCCCCTATTACAAGAGTGAGAAGTCTAGGAAACCCAACTTAGAAAAACATGAAGAAAGGCTTGAAGGA
 TTGAGGACTCCTCAACTTACCCAGTCAGGAAAACAGAAGACCCCATCAGGATGAAGGCGTCCAGCTA
 CTGCCATCAAAGAAACAGCCTCCTTCAGTAAGCCCTTTGGAGAAAACATCAAGCAATTTTTTCAGTGG
 ATTTTTTCAAAGAAAAAAGCAAGCCAGCAGTCACTGCTGAGAGCCAAAAACAGTAAAAACAGA
 TCAGTGTGTACAGCAGCAGTGTGAAGCTCAGGGTCTCATGACGCGAGTTGGACAAATGCTGGACGAG
 AAAATGTCACTTTGCCATGCGCGCCATGCCTCGAAGGTAATCAGCACAACAGAAGTTTCAAGCCCA
 GTCTGTGGGTTTCCCTGCAACCACAGGCACCTCTTCTACTCAGAACACGGCAGAATACTGAGCTATGCA
 GCCAGCAGTCAACAAGCCACTCTCAAGAGCCAGGGTTGTCCCAACAGAGACAGACAAATCAGAAATCAA
 CAGCCCTTGAAAAGTGTGCGGTGCAACAATGAGCAATGGGGCTGCGACATCCCCAAATCTTGACCCCC
 AAGAAAGCTGTATCCCAGTCAGTCCCCCTCAGCACTGGCCGAAGACATCCGGTGCCTCTAGCCACCAT
 CACCAGTGTCCAAGGCACTGTCTTCTTTGGGAAGGTATCTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_001113541

Insert Size:

4044 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001113541.1</u>
RefSeq Size:	4226 bp
RefSeq ORF:	4044 bp
Locus ID:	727905
UniProt ID:	<u>Q5VU36</u>
Cytogenetics:	9q12
Protein Families:	Transmembrane
MW:	148.7 kDa
Gene Summary:	May play a role in spermatogenesis.[UniProtKB/Swiss-Prot Function]