

Product datasheet for **SC316035**

SPATA31A3 (NM_001083124) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA31A3 (NM_001083124) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPATA31A3
Synonyms:	FAM75A3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316035 representing NM_001083124. Blue =Insert sequence Red =Cloning site Green =Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGAATCTTCCCTTTCTTTAAATTACTTAGTGCCTCATCGCTAAACGCCCCAGTTCCACACCA
TGGGTGTTGGATATCTTCTCACTTTGGTGTGGCCCTGGGGTTCTTCTCCTATTACTCCCTACTTA
TCTTACTTCCGTGTGATGACCCACCCTCACCATCGCCTGGGAAGAGAAAGTGCCAGTAGGGCGGAGG
CGGAGGCCAGAGGCAGGATGAAAAACCACAGTCTGAGAGCTGGTAGAGAGTGCCGGAGAGGCCTGGAG
GAGACTTCGGACCTGCTTTCACAACTGCAGAGCCTCTGGGGCCACACCTTGACAAAGGTGACTTTGGT
CAGCTCTCCGGTCCAGACCCCGAGGTGAGGTGGGCGAAAGAGCACCTGATGGAGCCTCCAGTCCCTCT
CATGAGCCTATGGAAGATGCTGCTCCCATTCTCTCCCTGTAGCTTCCCGGATCCTCAAGCCAAGCAT
CCTCAGGATCTGGCCTCCACCCCATCACCAGGCCCAATGACCACCTCAGTCTCCTCCCTAAGTGCCTCC
CAGCCACCAGAACCTTCCCTTCCCTAGAACACCCCTCACCCGAGCCACCTGCACTTTTCCCTCACCCA
CCACACACCCCTGATCCTCTGGCCTGCTCTCGCTCCTCCAAAAGGCTTCACTGCTCCTCCCCTGCGG
GACTCCACACTGATAACTCCATCTCACTGTGACTCAGTGGCACTTCCACTGGGCACCGTCCCTCAAAGC
TTGTCTCCACATGAGGATTTGGTGGCTTCTGTCCAGCCATCTCAGGCCTTGGTGGCTCAAACAGTCAT
GTTTCTGCCTCTCCCGTGGCAGGAGACTGCCAGAACCTCGTGCGCCTTAACTCATCAGTCCAGCAA
GATCATCTTTCCCGCCACCCACCAGAGACCTGTCAGATGGAAGCTGGTAGCCTGTTTTGCTCAGCTCT
GATGGCCAGAATGTCGTGGGATACAAGTCACAGAAACAGCCAAGGTCAACATTTGGGAAGAAAAAGAA
AATGTTGGATCATTTACAAATCGAATGACCCAGAAAAGCACTTAAATTCTTTCGGAATTTGGCTAAA
TCATTGGATGCTGAGCAGGACACCACAAACCCAAAACCTTCTGGAACATGGGAGAGAACTCGAAACAG
CTGCCCGACCTCAGAAGCTCTCAGATCCTAGGCTCTGGCAGGAAAGTTTTTGAAGAATTATAGCCAG
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TATACTTTACAGTCTCCTCTTTCTTGTCAATGAAATGTCCAATGTCTGCCAATTCAAAGGGAGACT
ACAATGTCCCACTGCTTTTCCAGGCCAGCCCTGTCCCATCTGGGGCCGAGTGCCAACCTTTATT
TCATCCACACCCAATTCCGGCCACACCTATGGCTCAGGCCGAGGCTCAGGCCATCTCAATCTTCT



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TTCCAGTCCTATCTCCTGCTTTTCCATCCCTGATTGAGAACTGGAGTAGCTTGCCCTGCATCGCAG
 AATAAAGTGCAAGCTCTCTCCCTACCTGAACTCAGCACCTGAATGGCCTTTGTTGAGGAGACAACTA
 GAAGGTAGGTTGGCTTTACCTCTAGGGTCCAAAAATCTCAGGACGTCTTTAGTGTCTCCACTCCTAAC
 CTTCCCGAGGAAAGTTTGACATCCATTCTGCCTGAGAACTTTCCAGTCAGTCCTGAACTCCGGAGACAA
 CTGGAGCAACACATAAAAAAGTGGATCATCCAACACTGGGGCAACCTGGGAAGGATCCAAGAGTCTCTG
 GATCTGATGCAGCTTCAGGACGAATCACCAGGGACAAGTCAGGCCAAGGGCAAACCCAGTCCCTGGCAG
 TCCTCCATGTCCACAGGTGAAAGCAGCAAGGAGGCACAGAAGGTGAAGTTCAGCTAGAGAGGGACCCG
 TGCCACATCTGGGGCAAATTCTGGGTGAGACCCCAAAAATCTATCCAGGGATATGAAAAGCTTCCCA
 CGGAAGGTTCTGGGGTGACTTCTGAGGAGTTGAAAAGGAACTTGAGGAAGCCCTTGAGGAGTGACTCG
 GGAAGTGATTTATTAAGATGCACAGAGAGGACTCATATAGAAAACATCCTGAAAGCCACATGGGCAGG
 AACTTGGGCCAGACCAACGAGGGCTTGATCCCCGTGCGTGTGCGTCGATCCTGGCTTGCTGTCAACCAG
 GCTCTTCCCGTGTCCAACACCCATGTGAAAACCAGCAATCTAGCAGCCCCGAAAAGTGGGAAAGCCTGT
 GTGAACACAGCCAGGTGCTTTCCTTCTCGAGCCGTGACTCAGCAGGGGTTGGAGGCCATATTGTG
 AGGTTTTGGGCCAAACACAGGTGGGGTCTACCCCTCAGGGTCTCAAGCCATTCAAGTCTTAACTG
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 GGCTCAGAAGTTGAGGTGGACATGTTCTTAGAAAGCCCAATGGCAAGTCTGAGAAAGCAGGTGCTG
 ACCAAAGCATCTGATCACATGCCAGAGAGTCTTCTGGCCTCCTCACCTGCATGGAAGCAGTTCAGAGG
 GCACCGCAGGAATCCCCTCTTGAATGATCATGAACCTTGAAGCCTCCTCCAGCTGGACAGGAGGGC
 AGGTGGCCATCTAAGCCCTCACGTACAGCCTCACAGGCAGCACCCAGCAGAGCAGGAGCTTAGGAGCC
 CAATCTTCAAAGGCTGGAGAGACAAGGGAGGCAGTGCCACAATGCAGAGTCCCCTTGAAACCTGTATG
 CTGGCAAACCTCCAAGCCACAAGTGAGGATGTGCATGGTTTCGAGGCTCCAGGGACCAGCAAAAGCTCT
 CTACACCTAGAGTGTCTGTCTCCCAAGATCCAAGAAAGCTGTGCTTATGGAGGAGTTGTTAGTGAA
 TTTGAGCCTGGAATGGCCACAAAGTCAGAGACCCAGCCTCAAGTTTGTGCCGCTGTTGTGCTCCTTCCA
 GATGGGCAAGCATCTGTTGTGCCCCACGCTTCAGAGAATTTGGTTTCTCAAGTGCCCCAGGGCCATCTC
 CAGAGCATGCCTACTGGGAACATGCGGGCTTCCAGGAGCTACATGACCTCATGGCAGCCAGAAGGAGC
 AAAGTGTGCACGAGGAGCCAGAAAACCAAACTGTCAAGGCTCATGCAAGAGCCAAAGGCCAATGTTT
 CCCCCTATTACAAGAGTGAGAAGTTTAGGAAGCCCACTTAGAAAAACATGAAGAAAGGCTTGAAGGA
 TTGAGGACTCCTCAACTTACCCAGTCAGGAAAACAGAAGACCCCATCAGGATGAAGGCGTCCAGCTA
 CTGCCATCAAAGAAACAGCCTCCTTCAGTAAGCCCTTTGGAGAAAACATCAAGCAATTTTTTCAGTGG
 ATTTTTTCAAAGAAAAAAGCAAGCCAGCACCAGTCACTGCTGAGAGCCAAAAACAGTAAAAACAGA
 TCATGTGTGTACAGCAGCAGTGTGAAGCTCAGGGTCTCATGACGCGAGTTGGACAAATGCTGGACGAG
 AAAATGTCACTTTGCCATGCGCGCCATGCCTCGAAGGTAATCAGCACAACAGAAGTTTCAAGCCCA
 GTCTGTGGGTTTCCCTGCAACCACAGGCACCTCTTCTACTCAGAACACGGCAGAATACTGAGCTATGCA
 GCCAGCAGTCAACAAGCCACTCTCAAGAGCCAGGGTTGTCCCAACAGAGACAGACAAATCAGAAATCAA
 CAGCCCTTGAAAAGTGTGCGGTGCAACAATGAGCAATGGGGCCTGCGACATCCCCAAATCTTGACCCCC
 AAGAAAGCTGTATCCCAGTCAGTCCCCCTCAGCACTGGCCGAAGACATCCGGTGCCTCTAGCCACCAT
 CACCACTGTCCAAGGCACTGTCTTCTTTGGGAAGGTATCTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_001083124

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_001083124.1</u>
RefSeq Size:	4223 bp
RefSeq ORF:	4044 bp
Locus ID:	727830
UniProt ID:	<u>Q5VYP0</u>
Cytogenetics:	9q21.11
Protein Families:	Transmembrane
MW:	148.7 kDa
Gene Summary:	May play a role in spermatogenesis.[UniProtKB/Swiss-Prot Function]