

Product datasheet for **SC123038**

SPATA22 (NM_032598) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA22 (NM_032598) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPATA22
Synonyms:	NYD-SP20; NYDSP20
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_032598 edited

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GGGAAGGGCGGCGTTGCTGACGGGGCCGCTGGACGACGGTTGACGGAGGTCTAGTGGG
ACAATGTCATATTATAAATTTGGAATGCTGAATAGAAAATTATAGATTTTGATATTGAAG
GAAATGAAGCGAAGCCTAAATGAAAATTCAGCTCGAAGTACAGCAGGCTGTTGCCTGTT
CCGTTGTTCAATCAGAAAAAGAGGAACAGACAGCCATTAACTTCTAATCCACTTAAAGAT
GATTCAGGTATCAGTACCCCTTCTGACAATTATGATTTTCCTCCTCTACCTACAGATTGG
GCCTGGGAAGCTGTGAATCCAGAGTTGGCTCCTGTAATGAAAACAGTGGACACCGGGCAA
ATACCACATTCAGTTTCTCGTCTCTGAGAAGTCAAGATTCTGTCTTAACTCTATTCAA
TCAAATACTGGAAGAAGCCAGGGTGGTGGAGCTACAGAGATGGTAACAAAAATACCAGC
TTGAAAACCTGGAATAAAAAATGATTTTAAGCCTCAATGTAACGAACAACTTAGTGGCA
AATGATGGAAAAATTTCTGTCCAATGAGTTCGGGAGCTCAACAACAAAAACAATTAAGA
ACACCTGAACCTCCTAATTATCTCGCAACAAAGAAACCGAGCTACTCAGACAAACACAT
TCATCAAAAAATATCTGGCTGCACAATGAGAGGGCTAGACAAAAACAGTGCCTACAGACA
CTTAAGCCCAATTTCAACAAAATCAATATAAGAAACAAATGTTGGATGATATCCAGAA
GACAACACCTGAAGGAAACCTCATTGTATCAGTTACAGTTTAAGGAAAAAGCTAGTTCT
TTAAGAATTATTTCTGCAGTTATTGAAAGCATGAAGATTGGCGTGAACATGCACAGAAA
ACTGTACTTCTTTTGAAGTATTAGCTGTTCTTGATTGAGCTGTTACACCTGGCCCATAT
TATTCGAAGACTTTTCTATGAGGGATGGGAAAAATACTCTGCCTTGTGTCTTTATGAA
ATCGATCGTGAACCTCCGAGACTGATTAGAGCCGAGTTCATAGATGTGTTGGCAACTAT
GACCAGAAAAAGAACATTTTCCAATGTGTTTCTGTCAGACCGGCTCTGTTTCTGAGCAA
AAAACCTTCCAGGCATTTGTCAAAATTGCAGATGTTGAGATGCAGTATTATTAATGTG
ATGAATGAAACTTAAGTAGTGATAAAAGGAAGTTTAGCATAAATTATAGCAGTTTCTGT
TATTGCTTAATTTACCATCTCCATAGTTTTATAGCTACTATTGTATTTCACTTGTGAAT
TAAAGTATTTGAATTCCTTTAAATGTGGAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032598 unedited <pre> NGGCGTTTGGTTTGTAACCACTTTTATAGGCGGCCGAATCACTTCGTATAGCATACATT ATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGGGAAG GGCGGCGGTTGCTGACGGGGCCGCTGGACGACGGTTGACGGAGGTCTAGTGGGACAATG TCATATTATAAATTTGGAATGCTGAATAGAAAATTATAGATTTTGATATTGAAGGAAATG AAGCGAAGCCTAAATGAAAATTCAGCTCGAAGTACAGCAGGCTGTTTGCCTGTTCCGTTG TTCAATCAGAAAAAGAGGAACAGACAGCCATTAACTTCTAATCCACTTAAAGATGATTCA GGTATCAGTACCCCTTCTGACAATTATGATTTTCTCCTCTACCTACAGATTGGGCCTGG GAAGCTGTGAATCCAGAGTTGGCTCCTGTAATGAAAACAGTGGACACCGGGCAAATACCA CATTCACTTTCTCGTCTCTGAGAAGTCAAGATTCTGTCTTAACTCTATTCAATCAAAAT ACTGGAAGAAGCCAGGTGGTTGGAGCTACAGAGATGGTAACAAAAATACCAGCTTGAA ACTTGAATAAAAAATGATTTTAAGCCTCAATGTAACGAACAACTTAGTGGCAAATGAT GGATAAAATCTTGTCCAATGAGTTCGGGAGCTCAANCACAAATACAATTAAGAACCT GAACCTCCTAACTTATCTCGCAACANAGAAACCGAGCTACTCAGACNAACACATTCATCA AAAATATCTGGCTGCACAATGAGAGGGCTAGACAAAACAGTGCCTACAGACACTTAAGC CCATTTTCACAAAATCATNTAAGAAACAATGTGGNATGATATTCCAGGAGACACACCCTG AAGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_032598
Insert Size:	1364 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).
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_032598.2</u> , <u>NP_115987.1</u>
RefSeq Size:	1473 bp
RefSeq ORF:	1092 bp
Locus ID:	84690
UniProt ID:	<u>Q8NHS9</u>
Cytogenetics:	17p13.2

Gene Summary:

Meiosis-specific protein required for homologous recombination in meiosis I.
[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR and contains an alternate exon which results in a frameshift, compared to variant 1. The resulting protein (isoform 2) is longer and has a distinct C-terminus, compared to isoform 1.