

## Product datasheet for **SC325602**

### SPATA24 (NM\_194296) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA24 (NM_194296) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPATA24
Synonyms:	CCDC161; T6441
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325602 representing NM_194296. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGGCGACGCCCTCGGGTGGTCAAGGCGGGTCAGGATCTGTGTCTCGCTTTAGATCAACTGCGG  
 GACGTGATTGAGTCTCAGGAGGAATAATCCACCAGCTGAGGAACGTGATGGTTCTCCAGGACGAAAAAT  
 TTTGTCACTAAGAAGAGTTCCAGGCAGTGAGAGAAGCTGGTGAAGAGAAAGCTGCCATGCCAAA  
 ACCAAGGTCCTCGGCCAAGGAAGAGGAGAAGTTACAGTTTGCCTCGGAGAGGTAGAGGTGCTATCC  
 AAGCAGCTGGAGAAGAGAAGCTGGCCTTTGAAAAGCGCTCTCCAGTGTCAAGAGCAAAGTCCTTCAG  
 GAGTCCAGCAAGAAGGACCAGCTCATCACAAGTGCAATGAGATTGAGTCTCACATTATAAGCAAGAA  
 GATATACTTAATGGCAAAGAGAATGAGATTAAAGAGTTGCAGCAAGTTATCAGCCAGCAGAAACAGATC  
 TTCAGGAATCACATGTCTGACTTCCGGATCCAGAAGCAGCAGGAGAGCTACATGGCCAGGTGCTGGAC  
 CAGAAGCATAAGAAAGCCTCAGGGACACGTGAGGCCCGCAGCCACCAGCATCCCAGGGAAAAA**TAA**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_194296
Insert Size:	618 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).


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<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_194296.1</a></u>
<b>RefSeq Size:</b>	719 bp
<b>RefSeq ORF:</b>	618 bp
<b>Locus ID:</b>	202051
<b>UniProt ID:</b>	<u><a href="#">Q86W54</a></u>
<b>Cytogenetics:</b>	5q31.2
<b>MW:</b>	23.6 kDa
<b>Gene Summary:</b>	Binds DNA with high affinity but does not bind to TATA boxes. Synergises with GMNN and TBP in activation of TATA box-containing promoters and with GMNN and TBPL1 in activation of the NF1 TATA-less promoter. May play a role in cytoplasm movement and removal during spermiogenesis (By similarity).[UniProtKB/Swiss-Prot Function]