

## Product datasheet for **RN204148**

### Spata24 (NM\_001025636) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Spata24 (NM\_001025636) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Spata24  
**Synonyms:** RGD1311742  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN204148 representing NM\_001025636  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGACGCCCTTGGGTGGTCGCAGGGGGCTCTGGATCTGTGTGTCTCGCTTCGATCAACTGCGGG  
 ACGTCATTGAATCTCAGGAGGAATTGATCCACCAGCTGAGGAATGTGATGTTCTCCAAGATGAAAATTT  
 TGTCAGTAAAGAAGAGTCCAGGAAGTAGAGAAGAAGCTGGTGGATGAAAAGCTGCTCAGCCAAAACC  
 AAAGCCCTCCTGGCCAAGGAAGAAGAGAAGTTGCAGTTTGCCTTGGCGAGGTGGAGGTGCTGTCTAAGC  
 AGCTGGAGAAGGAGAAAATGGCCTTTGAGAAAGCGCTCTCCAGTGTCAAGAGCAGAGTCTCGCAGGAGTC  
 TAGCAAGAAGGACCAGCTCATCACCAAGTGAATGGTAGCGGGAGGCCCGTGTGCCCCCAAGTTAAC  
 ATACACGGGCTCTTTTCCAACAGCCCAATGATGGTGCCAAAAGCAGGGCTGTACCCCACTTCTGCCCCC  
 GGCTGAGGATACAGGCAAGTCCAGGCGGGTCACACCTTCGAAAGTGCCTTCAGGGACCAGGCAGGCCACG  
 GAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001025636  
**Insert Size:** 567 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>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_001025636.2</a></u> , <u><a href="#">NP_001020807.2</a></u>
<b>RefSeq Size:</b>	671 bp
<b>RefSeq ORF:</b>	567 bp
<b>Locus ID:</b>	291676
<b>UniProt ID:</b>	<u><a href="#">Q4PJT6</a></u>
<b>Cytogenetics:</b>	18p11
<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 (By similarity). May play a role in cytoplasm movement and removal during spermiogenesis.[UniProtKB/Swiss-Prot Function]