

Product datasheet for **MG222476**

Spata24 (NM_027733) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spata24 (NM_027733) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Spata24
Synonyms: 2700012K08Rik; 4930583E11Rik; 5133400G04Rik; AU016220; TIPT; TIPT2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222476 representing NM_027733
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACGCCCTTGGGTGGTCGCAGGGGGCTCTGGATCAGTGTGTCTCGCTTCGATCAACTGCGGG
 ACGTGATTGAATCTCAGGAGGAACCTATCCACCAGCTGAGGAATGTGATGGTTCTCCAGGATGAGAATTT
 TGTCAAGTAAAGAAGAATCCATGAAATAGAGAAGAACTGGTGGAGGAGAAAGCTGCTCATGCCAAAACC
 AAAGCCCTCTGGCCAAGGAAGAAGAGAAGTTACAGTTTGTCTGGGAGAGGTGGAGGTGCTGTCCAAGC
 AGCTGGAGAAAGAGAAGATGGCCTTTGAAAAGCGCTCTCCAGTGTCAAGAGCAGAGTCTGCAGGAGTC
 CAGCAAGAAGGACCAGCTCATCACAAGTGAATGGTAGCGGGAGGCCGTGCTGCCCCCAAGTTAAC
 ATACACGGGCTCTTTACCAACAGCCAATGACGGTGCCAAAAGCAGGGCTCTACCCCAACTTCTGCCCC
 GGCTGAGGATACAGGCAAGTCCAGTCTTCAAAGTGCCTTCAGGGACCAGGCAGGTCACGGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222476 representing NM_027733
 Red=Cloning site Green=Tags(s)

MATPLGWSQGGSGSVCLAFDQLRDVIESQEELIHQLRNVMLQDENFVSKEEFHEIEKKLVEEKAAHAKT
 KALLAKEEEKLQFALGEVEVLSKQLEKEKMAFEKALSSVKSRLVQESSKKDQLITKCNGRREARAAPQVN
 IHGLFTNSPMTVPKAGLYPNFCPRLRIQASPVLRLKCLQGPGRSRK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

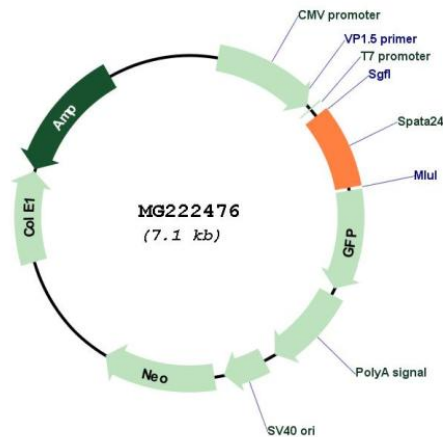


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Cloning Scheme:



Plasmid Map:



ACCN: NM_027733

ORF Size: 555 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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_027733.5</u> , <u>NP_082009.3</u>
RefSeq Size:	726 bp
RefSeq ORF:	558 bp
Locus ID:	71242
UniProt ID:	<u>Q6P926</u>
Cytogenetics:	18 B2
Gene Summary:	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.[UniProtKB/Swiss-Prot Function]