

Product datasheet for **MG215859**

Spata17 (NM_028848) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Spata17
Synonyms:	1700065F16Rik; 4930504I07Rik; 4930513F16Rik; MSRG-II
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215859 representing NM_028848
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGACTAATAGTAACAATTTTGGTGAAGTCCAGGAGTTGAAGGACATGGCTACTTTAGCCAAGCTGC
TGGCGCGGGCACCCCTTTCTAGAAAAGTCACTACTTTAGGAACCGCGCCGTTGATTCATTTAGGAAATT
CGAGAATGATGCAGCTGTGATGATCCAGAGCTGGTCCGAGGGTGCCAAGTCCGGGCCTATATGAGGCAC
TTGAACAGAGTAGTGACAATTATCAAAGTGGTGGAGAAGCTACTTAGGCAGAAAAATTTACCAACTTG
TTGTTGAGGCAGCATATTATACTATGAAGATGAATCTCTACAATGAAATGGCTGTGAGGATTGAGAGAGC
ATGGCGTGGCTTTAGGATCCGGAAATATTGCTTTAATTATTATTATTGAAAGGAATTTAAGAGCTGTT
TCAGAAACCAATGATGCAATTCGGGAGGCTTTGGAGGAGTTCGCAGAAATGAAAGAGAGAGAAGAGAGAA
AGGTTCTCCTGGAACGAGAGGAGAAGCAAAAAGATTACCAAGCCCGCAAGATGCATTACCTGCTCAGCAC
AAAGCAGATTTGAGGATATACAATTCACCTTTCCGAGAACATCCTGACCCATGGGAACTGCGGTTGCGAG
AAGGCAAAAGCCTTTGGGTCACCAGAAGTACACTGCAGAAAAGGGCAAGACCTCCCAAAGCCCTAGTAACT
GGCTGGCATGCACCAGTGTCCACTCCTCCCGCAGTCGGAGAGTCTGCCACCTATCAGCAGGAAGCGGTG
CCAGGGACCTTCCGAGACATCAATGAAGTCTTGGAACAGCGTTATAAGCCTTTGGAGCCTACCTTGAGG
GTGGCAGAACCATCAACCACCTTCGTCTGGCCAGAGAGGCATTCAAGCAAGAGGAACGCATGCGCAACG
TGCAAGACAAGATGTTTTTGCATTTTCTCCTACCATAAAAAGGAGAAGTACATCCCAATGATACACTC
GTCAAGTGCATATAATTCTGACTCTTATGGACAGAAGCACTTTCCGAGTCAAGACTCTAAGAAGTGGATC
TCTGACAAGGATTTCCAGACTGTTCTGCCTTCATTTCAACTCTTCTCGAAGTATGAAAGTTATATTCGA
AAGCTGGAGAAATTGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215859 representing NM_028848
 Red=Cloning site Green=Tags(s)

METNSNFGELQELKDMATLAKLLARAPFLESQYYFRNRAVDSFRKFENDAAVMIQSWFRGCQVRAYMRH
 LNRVVTIIQKWRSYLGRKFYQLVVEAAYYTMKNLYNEMAVRIQRRWRFIRKCYFNYYLKEYLRAY
 SETNDAIREALEEFAEMKEREERKVLLEEEKQKDYQARKMHYLLSTKQISGIYNPFREHPDPWELRLQ
 KAKPLGHQKYTAEKGKTSQSPSNWLACTSVHSFPQSESLPPI SRKRCQGPFRDINEVLEQRYPLEPTLR
 VAEPINHLRLAREAFKQEERMNRNVQDKMFLPFSSYHKKEKYPIMIHSSAYNSDSYGQKHFRSQDSKKWI
 SDKDFQTVLPSFQLFSKYGKLYSKAGEIV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028848

ORF Size: 1137 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_028848.3](#), [NP_083124.1](#)

RefSeq Size: 1303 bp

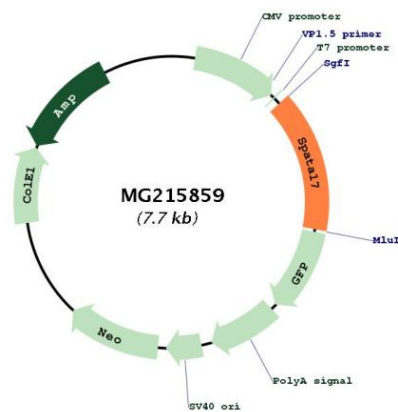
RefSeq ORF: 1140 bp

Locus ID: 74717

UniProt ID: [Q9D552](#)

Cytogenetics: 1 H5

Product images:



Circular map for MG215859