

Product datasheet for **MG210590**

SpeccII (BC037464) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SpeccII
Synonyms:	mKIAA0376, cytospin A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG210590 representing BC037464
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACAACCTGGACAGTGAGTGCAGCGAGGTGTACCAGCCCCTCACTTCCAGCGATGATGCTCTGGACG
 CCCCCTCCTTTCAGAGTCAGAGGGCGTGCCAAGCATTGAGCGCTCTCGGAAGGGGAGCAGTGGGAATGC
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 GAGGAGCTTCAGGCCACTCTACAGGAGCTGGTGATCTCCAGCAGATTACCCAGGAGCTCAACAGTGAGA
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 GGCCCGCCTCTCTCCAAGAGTCCCTGCTATGGAAGTGCCAAGACCATCTCAGTGTCTCGACGGAGTAG
 TGAAGAAATGAAACGGGACATCTCTGCATCTGAGGGCGCGTCACCAGCCTCTCTCATGGCTATGGCACC
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 GTCAAGATAAGAAAGGAACTTCACCCTGGCTTTCCAGGCAGCTGAAAGTGTGGAATCAAAATCGACGCT
 GGACATCAATGAAATGGCGGTAAGTGAACGGCCGACTGGCAGAACGTGATGCTGTATGTTACAGCCATC
 TACAAGTACTTTGAAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG210590 representing BC037464

Red=Cloning site Green=Tags(s)

MDNLDSECEVYQPLTSSDDALDAPSSSESEGVPSIERSRKSSGNASEVSVACLTERIHQMEENQHTS
EELQATLQELADLQQITQELNSENERLGEEKVILMESLCCQSQDLEHFGRIEYFRSLLEHHISYVIDE
DVKSGRYMELEQRYMDLAENARFEREQLLGVQQLSNTLKMAEQDNKEAQEMTGALKERSHHMERIIESE
QKGKAALAAATLEEKATVASDQITMEMNRLKAQLENEKQKVAELYSIHNSGDKSDIQDLEESVRLDKEKAT
LASSLQEDQHLATNDANRLQDTIAKVEDEYRAFQEEAKQIEDLNMTEKLRSELEEKDTERSMDKMETIF
LEDEVEQHRAYVKLHDNLIIISDLENTVKKLQDQKHMERIEITLHRLREKSAEWRQFQADLQTAVVTIAN
DIKSEAQEEIGDLKRRLHEAQEKNEKLTKLEEIKSRKQEEERGVVNYMNAVERDLAALRQGMGLSRRS
STSSEPTPTVKTLIKSFDSASQVPNAAAAAIPTPLSPSPMKTPPAAAVSPMQRHSISGPISTSKPLTAI
SDKRSNYGELPVQEHLLRTSSTRPASLPRVPAMESAKTISVSRSSSEEMKRDISASEGASPASLMAMGT
TSPQLSLSSSPTASVTPSTRSRIEREKDPLSALAREYGGSKRNALLKWCQKKTEGYQNIDITNFSSWN
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KYACFET

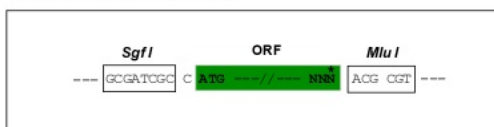
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Kozac
Consensus

EcoRI BamHI KpnI RBS SgfI Asc I

CTATAGGGCGGCGGGGAATTCTGC TACTGGATCCGGTACCGAGGAGATCTGCCGCCGCATCGCCGCGCGCCAGATCT

HindIII NheI RsrII MluI NotI XhoI GFP Tag

CAAGCTTAAGTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG ACG GAC --- --- ---
T R T R P L E M E S D - - -

PmeI FseI

--- --- GAA GAA AGA GTT TAA ACGGCGGCGCGGAGCT
- - E E R V Stop

ACCN:

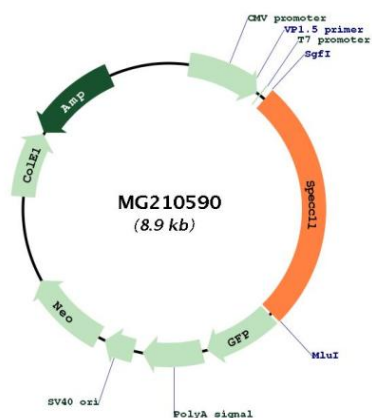
BC037464

ORF Size:

2328 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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:	BC037464.1
RefSeq Size:	5181 bp
RefSeq ORF:	2330 bp
Locus ID:	74392
Cytogenetics:	10 C1
Gene Summary:	Involved in cytokinesis and spindle organization. May play a role in actin cytoskeleton organization and microtubule stabilization and hence required for proper cell adhesion and migration (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210590