

## Product datasheet for **MG202713**

### Spag7 (NM\_172561) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spag7 (NM_172561) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spag7
Synonyms:	5730443G10; ACRP; FSA-1; Fsa1l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202713 representing NM_172561 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGACCTACTGGGCTCCATCCTGAGCTCCATGGAGAAACCACCCAGCCTCGGTGACCAGGAGAGTC  
GGCGCAAGGCCCGAGAGCAGGCTGCCCGTCTGAAGAACTACAAGAGCAAGACAAACAGCAGAAAGTGA  
GTTTCGGAAAAGGATGGAGAAAGAGGTGTCTGATTTTCATCCAGGACAGTGGACAGGTCAAGAAAAAGTTT  
CAGCCTATGAACAAGATAGAGCGGAGCATACTACATGATGTGGTAGAGGTGGCTGGCCTCACATCCTTCT  
CCTTTGGAGAAGATGATGACTGTCGCTATGTCATGATCTTCAAAAAGGAGTTTGCACCCTCAGATGAAGA  
GCTAGACTCCTACCGTCATGGAGAGGAGTGGGACCCCAAGGCTGAGGAGAAGCGGAAGCTAAAGGAG  
CTGGCTCAGAAGCAGGAGGAAGGCGCAGCAGGGACCTGCGGTTGTGAGTCCTGCCAGCGACTACA  
AGGACAAGTATAGCCATCTTATTGGCAAAGGAGCAGCCAAAGATGCAGCCACATGCTACAGGCCAACAA  
GACCTATGGCTGTGTTCTGTGGCCAACAAGCGGGACACCGGTCCATAGAGGAGGCCATGAATGAGATC  
AGAGCCAAGAAACGCCTGCGGCAGAGTGGTGAAGAGTTGCCAACTACCTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202713 representing NM\_172561  
 Red=Cloning site Green=Tags(s)

MADLLGSILSSMEKPPSLGDQESRRKAREQAARLKKLQEQDKQQKVEFRKRMEKEVSDFIQDSGQVKKKF  
 QPMNKIERSILHDVVEVAGLTSFSFGEDDDCRYVMIFKKEFAPSDEELDSYRHGEEWDPQKAEERKRLKE  
 LAQKQEEEEAAQQGPAVVSFASDYKDKYSHLIGKAAKDAAHMLQANKTYGCVPVANKRDRSIEEAMNEI  
 RAKKRLRQSGEELPTTS

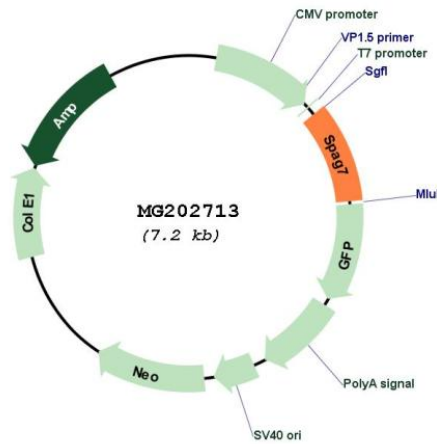
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_172561

ORF Size: 681 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_172561.3</a>
<b>RefSeq Size:</b>	1018 bp
<b>RefSeq ORF:</b>	684 bp
<b>Locus ID:</b>	216873
<b>UniProt ID:</b>	<a href="#">Q7TNE3</a>
<b>Cytogenetics:</b>	11 43.21 cM