

Product datasheet for **RG204174**

SPAG7 (NM_004890) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPAG7 (NM_004890) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SPAG7
Synonyms:	ACRP; FSA-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204174 representing NM_004890 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGACCTACTGGGCTCCATCCTGAGCTCCATGGAGAAGCCACCCAGCCTCGGTGACCAGGAGACTC
 GGCGCAAGGCCGAGAACAGGCCGCCCGCCTGAAGAACTACAAGAGCAAGAGAAACAACAGAAAGTGA
 GTTTCGTAAAAGGATGGAGAAGGAGGTGTCAGATTTCAATCAAGACAGTGGGCAGATCAAGAAAAAGTTT
 CAGCCAATGAACAAGATCGAGAGGAGCATACTACATGATGTGGTGAAGTGGCTGGCCTGACATCCTTCT
 CCTTTGGGAAGATGATGACTGTCGCTATGTCATGATCTTCAAAAAGGAGTTTGACCCCTCAGATGAAGA
 GCTAGACTCTTACCGTCGTGGAGAGGAATGGGACCCCAAGGCTGAGGAGAAGCGGAAGCTGAAGGAG
 CTGGCCAGAGGCAAGAGGAGGAGGCAGCCAGCAGGGGCCTGTGGTGGTGAAGCCCTGCCAGCGACTACA
 AGGACAAGTACAGCCACCTCATCGGCAAGGGAGCAGCCAAAGACGCAGCCACATGCTACAGGCCAATAA
 GACCTACGGCTGTGTGCCGTGGCCAATAAGAGGGACACACGCTCCATTGAAGAGGCTATGAATGAGATC
 AGAGCCAAGAAGCGTCTGCGGCAGAGTGGGAAGAGTTGCCGCCAACCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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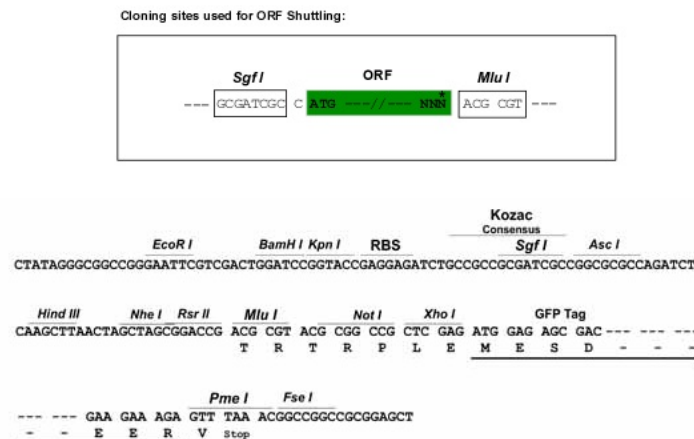
Protein Sequence: >RG204174 representing NM_004890
 Red=Cloning site Green=Tags(s)

MADLLGSILSSMEKPPSLGDQETRRKAREQAARLKKLQEKEKQKVEFRKRMEKEVSDFIQDSGQIKKKF
 QPMNKIERSILHDVVEVAGLTSFSFGEDDDCRYVMIFKKEFAPSDEELDSYRRGEEWDPQKAEERKLKE
 LAQRQEEEAQQGPVVVSPASDYKDKYSHLIGKAAKDAAHMLQANKTYGCVPVANKRDTRSIEEAMNEI
 RAKKRLRQSGEELPPTS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004890

ORF Size: 681 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_004890.3](#)

RefSeq Size: 1038 bp

RefSeq ORF: 684 bp

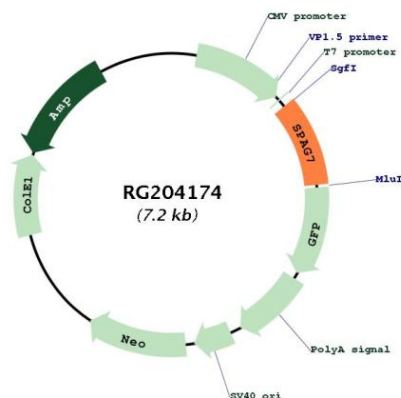
Locus ID: 9552

UniProt ID: [O75391](#)

Cytogenetics: 17p13.2

Domains: R3H

Product images:



Circular map for RG204174