

## Product datasheet for **MG203444**

### Fusip1 (BC083082) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fusip1 (BC083082) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fusip1
Synonyms:	TASR, NSSR1, NSSR2, TASR1, TASR2, FUSIP2, SRrp40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203444 representing BC083082 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCCGATACCTGCGCCCCCTAACACGTCTCTGTTTCGTGAGGAACGTGGCGGACGACACCAGGTCTG  
 AAGATTTACGTCGGGAATTTGGTCGTTATGGTCCAATAGTAGATGTTTATGTCCCACTTGATTTCTACAC  
 TCGGCGTCCAAGAGGATTTGCATATGTTCAATTTGAGGATGTTTCGTGATGCTGAAGACGCTTTACATAAT  
 TTGGACAGAAAAATGGATTTGTGGCGTCAGATTGAAATCCAGTTCGCACAGGGGGATCGGAAGACACCAA  
 ATCAAATGAAAGCCAAGGAAGGGAGGAATGTATACAGCTCTTCACGATATGACGATTATGACCGATATAG  
 ACGCTCTCGAAGCCGGAGTTATGAAAGGAGAAGATCGAGGAGTCGCTCCTTTGATTATAACTATAGGAGA  
 TCTTACAGTCCTAGAAACAGTAGACCGACTGGAAGACCACGGCGTAGCCGAAGCCATTCCGACAATGATA  
 GATTCAAACACCGAAATCGATCTTTTCAAGATCTAAATCCAATTCAAGATCACGGTCCAAGTCCCGACCC  
 CAAGAAAGAAATGAAGGCTAAATCACGTTCTAGGTCTGCATCTCACACAAAACCTAGAGGCACCTCTAAA  
 ACAGATTCCAAAACACATTATAAGTCTGGCTCAAGATATGAAAAGGAATCAAGGAAAAAAGAACCACTA  
 GATCCAAATCTCAGTCAAGATCACAGTCTAGGTCTAGGTCAAAATCTAGGTCAAGGTCTTGGACTAGTCC  
 CAAGTCCAGTGGCCAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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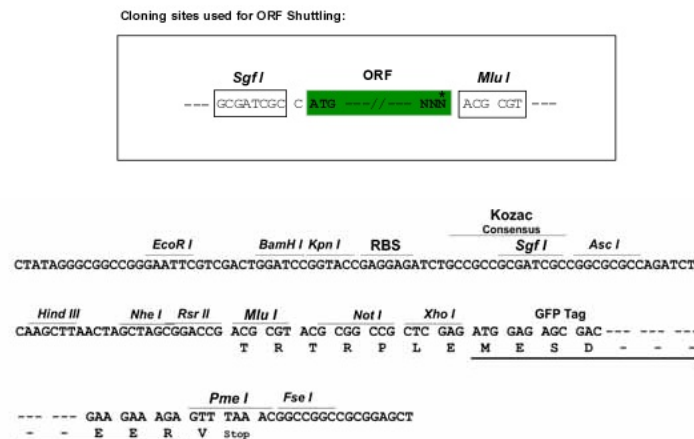
**Protein Sequence:** >MG203444 representing BC083082  
 Red=Cloning site Green=Tags(s)

MSRYLRPPNTSLFVRNVADDTRSEDLRREFGRYGPIVDVYVPLDFYTRRPRGFAYVQFEDVRDAEDALHN  
 LDRKWICGRQIEIQFAQGDRKTPNQMKAKEGRNVYSSSRYYDDYDRYRRSRRSYERRRSRSRSDYNYRR  
 SYSPRNSRPTGRPRRSRSHSDNDRFKHRNRSFSRSKSNSRSRSKSQPKKEMKAKSRRSASHTKTRGTSTK  
 TDSKTHYKSGSRYEKESRKKEPPRSKSQSRSSRSRSKSRSSRSPKSSGH

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC083082

**ORF Size:** 788 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.

**RefSeq:** [BC083082](#), [AAH83082](#)

**RefSeq Size:** 2679 bp

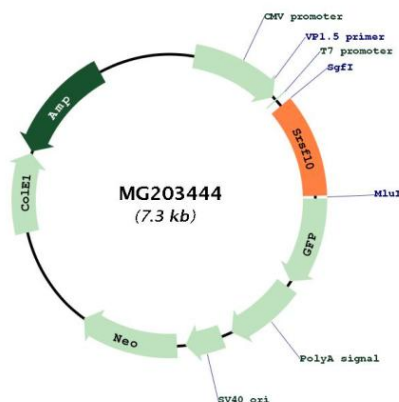
**RefSeq ORF:** 788 bp

**Locus ID:** 14105

**Cytogenetics:** 4 D3

**Gene Summary:** Splicing factor that in its dephosphorylated form acts as a general repressor of pre-mRNA splicing. Seems to interfere with the U1 snRNP 5'-splice recognition of SNRNP70. Required for splicing repression in M-phase cells and after heat shock. Also acts as a splicing factor that specifically promotes exon skipping during alternative splicing. Interaction with YTHDC1, a RNA-binding protein that recognizes and binds N6-methyladenosine (m6A)-containing RNAs, prevents SRSF10 from binding to its mRNA-binding sites close to m6A-containing regions, leading to inhibit exon skipping during alternative splicing (By similarity). May be involved in regulation of alternative splicing in neurons (PubMed:10583508).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG203444