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Product datasheet for MG203442

Fusip1 (BC043060) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fusip1 (BC043060) 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:

>MG203442 representing BC043060
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCGATACCTGCGCCCCCCTAACACGTCTCTGTTCGTCAGGAACGTGGCGGACGACACCAGGTCTG
AAGATTTACGTCGGGAATTTGGTCGTTATGGTCCAATAGTAGATGTTTATGTCCCACTTGATTTCTACAC
TCGGCGTCCAAGAGGATTTGCATATGTTCAATTTGAGGATGTTCGTGATGCTGAAGACGCTTTACATAAT
TTGGACAGAAAATGGATTTGTGGGCGTCAGATTGAAATCCAGTTCGCACAGGGGGATCGGAAGACACCAA
ATCAAATGAAAGCCAAGGAAGGGAGGAATGTATACAGCTCTTCACGATATGACGATTATGACCGATATAG
ACGCTCTCGAAGCCGGAGTTATGAAAGGAGAAGATCGAGGAGTCGCTCCTTTGATTATAACTATAGGAGA
TCTTACAGTCCTAGAAACAGTAGACCGACTGGAAGACCACGGCGTAGCCGAAGCCATTCCGACAATGATA
GATTCAAACACCGAAATCGATCTTTTTCAAGATCTAAATCCAATTCAAGATCACGGTCCAAGTCCCAGCC
CAAGAAAGAAATGAAGGCTAAATCACGTTCTAGGTCTGCATCTCACACCAAAACTAGAGGCACCTCTAAA
ACAGATTCCAAAACACATTATAAGTCTGGCTCAAGATATGAAAAGGAATCAAGGAAAAAAGAACCACCTA
GATCCAAATCTCAGTCAAGATCACAGTCTAGGTCTAGGTCAAAATCTAGGTCAAGGTCTTGGACTAGTCC
CAAGTCCAGTGGCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

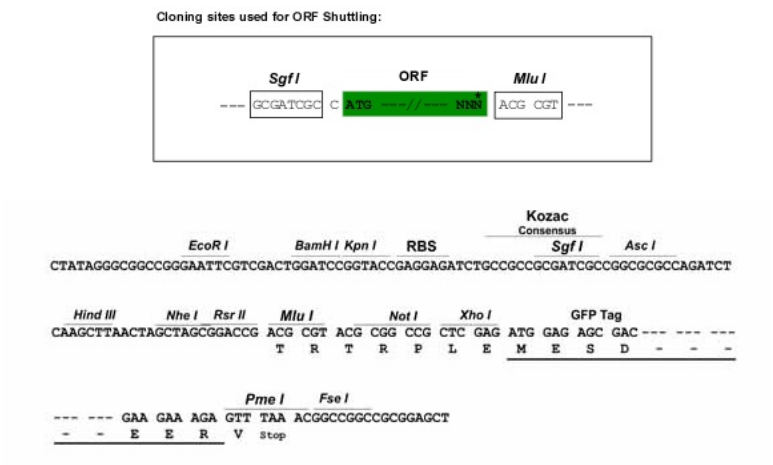
>MG203442 representing BC043060
Red=Cloning site Green=Tags(s)

MSRYLRPPNTSLFVRNVADDTRSEDLRREFGRYGPIVDVYVPLDFYTRRPRGFAYVQFEDVRDAEDALHN
LDRKWICGRQIEIQFAQGDRKTPNQMKAKEGRNVYSSSRYDDYDRYRRSRSRSYERRRSRSRSFDYNYRR
SYSPRNSRPTGRPRRSRSHSDNDRFKHRNRSFSRSKSNSRSRSKSQPKKEMKAKSRSRSASHTKTRGTSK
TDSKTHYKSGSRYEKESRKKEPPRSKSQSRSQSRSRSKSRSRSWTSPKSSGH

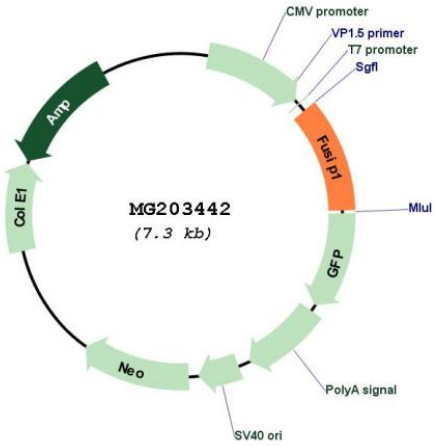
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC043060

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:	BC043060, AAH43060
RefSeq Size:	3077 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]