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Product datasheet for MG202928

Srsf7 (NM_146083) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srsf7 (NM_146083) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Srsf7
Synonyms:	9G8; 35kDa; 9430065L19Rik; NX-9; NX-96; Sf; Sfrs7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG202928 representing NM_146083
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCACGCTACGGGCGGTATGGAGGAGAAACCAAGGTATATGTTGGTAACCTGGGAACTGGTGCTGGTA
AAGGAGAGTTAGAAAGGGCATTCAGTTACTATGGGCCCTTAAGAACTGTGTGGATTGCCAGAAATCCTCC
AGGATTCGCCTTTGTGGAATTTGAAGACCCTAGAGATGCAGAGGATGCAGTTCGAGGATTGGATGGGAAA
GTGATTTGTGGTTCTCGAGTGAGGGTTGAACTATCAACAGGCATGCCTCGGAGATCTCGTTTTGATAGGC
CACCTGCCCGTCGTCCCTTTGATCCTAATGATAGATGCTATGAGTGTGGTGAAAAGGGACATTATGCTTA
TGACTGTCATCGCTATAGCCGACGAAGAAGAAGCAGGTCACGATCTAGATCCCATTCCCGATCCAGGGGA
AGGCGATACTCTCGCTCCCGCAGCAGGAGCCGAGGACGGAGGTCAAGATCAGCATCTCCTCGCCGATCAA
GGTCTGTGTCTCTTCGTAGATCAAGATCAGCTTCACTCAGAAGATCTAGGTCTGGTTCTATAATAGGATC
GAGGTATTTCCAATCCCGCTCAAGGTCGAGATCAAGATCCAGGTCTATTTCACGACCAAGAAGCAGCCGA
TCAAAATCCAGATCTCCATCTCCTAAAAGAAGTCGTTCCCCATCAGGAAGTCCACACAGAAGTGCAAGTC
CAGAAAGAATGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

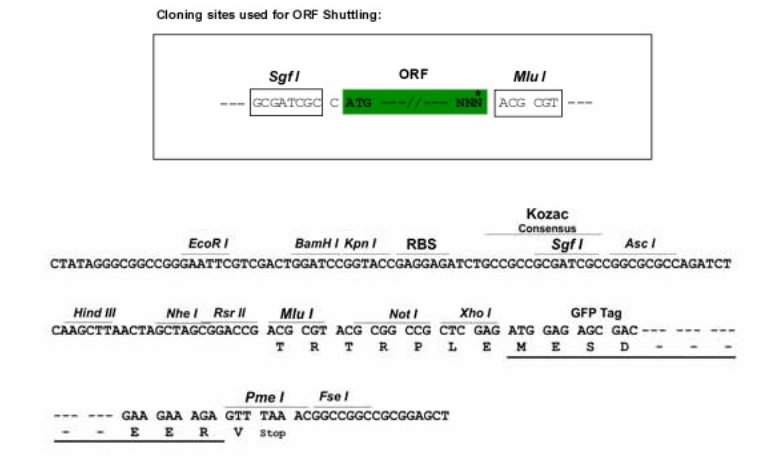
>MG202928 representing NM_146083
Red=Cloning site Green=Tags(s)

MSRYGRYGGETKVYVGNLGTGAGKGELERAFSYYGPLRTVWIARNPPGFAFVEFEDPRDAEDAVRGLDGK
VICGSRVRVELSTGMPRRSRFDRPPARRPFDPNDRCYECGEKGHYAYDCHRYSRRRRSRSRSRSHSRSRG
RRYSRSRSRSRGRRSRSASPRRSRSVSLRRSRSASLRRSRSGSIIGSRYFQSRSRSRSRSRSISRPRSSR
SKSRSPSPKRSRSPSGSPHRSASPERMD

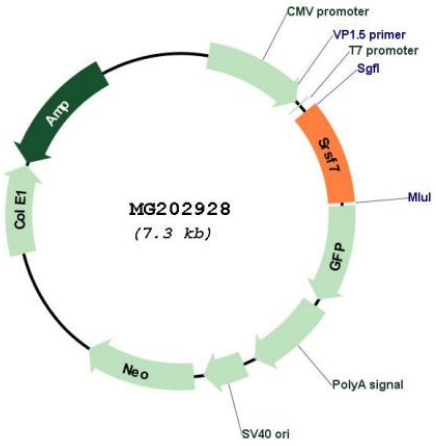
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_146083

ORF Size: 714 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:	NM_146083.2, NP_666195.1
RefSeq Size:	2304 bp
RefSeq ORF:	717 bp
Locus ID:	225027
UniProt ID:	Q8BL97
Cytogenetics:	17 E3
Gene Summary:	The protein encoded by this gene is a member of the serine/arginine (SR)-rich family of pre-mRNA splicing factors, which constitute part of the spliceosome. Each of these factors contains an RNA recognition motif (RRM) for binding RNA and an RS domain for binding other proteins. The RS domain is rich in serine and arginine residues and facilitates interaction between different SR splicing factors. In addition to being critical for mRNA splicing, the SR proteins have also been shown to be involved in mRNA export from the nucleus and in translation. Five transcript variants, four of them protein-coding and the other not protein-coding, have been found for this gene. [provided by RefSeq, Sep 2010]