

Product datasheet for **MG207825**

Sfrs4 (BC019437) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sfrs4 (BC019437) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sfrs4
Synonyms:	5730499P16Rik; AW550192; MNCb-2616; Sfrs4; SRp75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207825 representing BC019437
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCCGGGTGTACATCGGCCCTGAGCTACCAGGCCGGAGCGGATGTGGAGCGCTCTTTAAGG
 GCTACGGGAAGATCCTGGAGGTGGATCTGAAGAACGGGTATGGCTTTGTGGAGTTTGATGATCTGGTGA
 TGCAGACGATGCTGTTTATGAACTGAACGGCAAAGACCTGTGTGGCGAGCGAGTATTGTTGAGCAGCT
 CGAGGCCCGCGCGGGATGGCAGCTACGGCTCGGGACGCGAGTGGATATGGTTATCGAAGAAGTGGCCGAG
 ATAAATACGGTCCCCCTACTCGCACAGAATACAGACTTATTGTGGAGAATTTGTCAAGTCGATGCAGCTG
 GCAGGACCTAAAGGATTACATGCGTCAGGCAGGAGAAGTACGATGCAGATGCTACAAGGACGCAAA
 AACGAAGGAGTGATTGAATTTGTGCTTACTCTGATATGAAAAGAGCTTTGGAAAAGCTGGACGGAACTG
 AAGTCAACGGCAGAAAAATCAGATTAGTTGAAGACAAGCCAGGTTCTAGGCGGCCCGGTTACTCCAG
 AAGCCGGAGTCACTCAAGGTCTCGCTCTCGAAGCAGACATCCCGGAAGAGCAGAAGCCGGAGTGGTAGC
 AGTAAAAGCAGCCATTTCGAAGAGCCGGTCTCGATCCAGGTTCAGGTTCCCACTCCCGCAGCAAGAGCCGCA
 GTCGAGTCAGAGCCGACGCCGAGTAAGAAGGAGAAAAGCCGGAGCCCAAGCAAGGACAACAAGAGCCG
 CAGTTCGACGCCGAGCCCTGACAAGAGCCGAGTAAGAGTAAAGACCACGCCGAGGACAAGCTCCAAAAC
 AACGACAGCGCCGGCAAAGCCAAAGAGCCACAGCCCGCCGATGACAGTAAAAGTTCGGAGCAGGAGCC
 AGGAGAGGAGAGCAGAGGAGGAGAGGGCAAGGAGCGTGTGAGCAGGGCTCGCAGCCAGGAGAAGAGCCGAG
 CCAGGAGAAGAGCCTTCTCAAGAGCCGACGCCGAGCCGAGCCGAGCCGAGCCGAGCAAGGACAAG
 CGGAAGGGAAGGAAGAGAAGCAGGGACGAAAGTCAAGCCGACGCCGAGCAAGAGCGAGCGTAGCCGAA
 AACACAGCAGCAAGCGGGACAGCAAAGTCAAGTGCAGCAGCAGCAGCAAGAAGAAGGACACCGCA
 CCACTCCCGGTACCCGTCGCTCGGTGTCAAAGGAGCGAGAACATGCCAAGGCAGAGTCTGGCCAGAGG
 GGAAGCCGGGAGAGGTTGAGAGCGAGGCCCAATCCAGAGCCCGGGCCAGGTCAAGTCCACCTCCA
 AATCCAAACCAATGTCCCGGCAGAGTCCGCTCCAGGTCAAATCGGCTTCAAAAACACGCTCTCGGT
 CAAGTCTCCATCCAGGTCTGCTCCAGGTCCGCTCCCGGTCTAGATCCAGGTCCCACTCAAGGTCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207825 representing BC019437
 Red=Cloning site Green=Tags(s)

MPRVYIGRLSYQARERDVERFFKGYGKILEVDLKNYGFVEFDDLRDADDAVYELNGKDLGERVIVEHA
 RGP RRDSYSGRSGYGYRRSGRDKYGPPTREYRLIVENLSSRCSWQDLKDYMRQAGEVYADAHKGRK
 NEGVI EFVSYSDMKRALEKLDGTEVNGRKIRLVEDKPGSRRRRSYSRSRSHSRSRSRSHSRSRSGS
 SKSSHKSRSRSGSHSRSKRSRSQSRSRKKEKSRSPSKDNKSRSRSPDKSRSKDHAEDKLQN
 NDSAGKAKSHSPSRHDSKRSRSQERRAEERRRSVSRARSQEKSRSEQESLLKSRSRSRSRSRSKDK
 RKGRKRSRDESRSRSKSERSRKHSSKRDSKVSSSSSSSKDKDTHSRSPSRSVSKEREHAKAESGQR
 GSRAEGESEAPNPEPRARSRSTSKSPNVAESRSRSKASKTRSRSPSRASRSPSRSRSRSHRS

TRTRPLE - GFP Tag - V

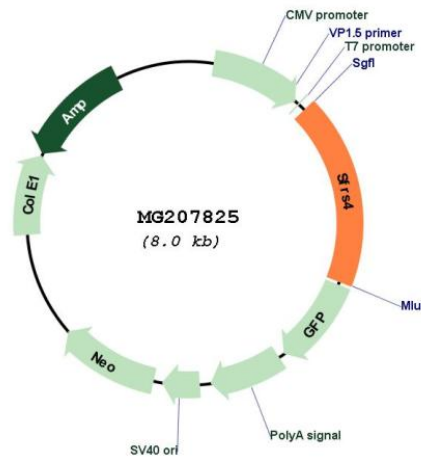
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC019437

ORF Size: 1469 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: [BC019437](#), [AAH19437](#)

RefSeq Size: 2204 bp

RefSeq ORF: 1469 bp

Locus ID: 57317

Cytogenetics: 4 D2.3

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. [provided by RefSeq, Sep 2010]