

## Product datasheet for **MR207825**

### **Sfrs4 (BC019437) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sfrs4 (BC019437) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sfrs4
Synonyms:	5730499P16Rik; AW550192; MNCb-2616; Sfrs4; SRp75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207825 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCCGGGTGTACATCGGCCCTGAGCTACCAGGCCGGGAGCGGATGTGGAGCGCTCTTTAAGG  
 GCTACGGGAAGATCCTGGAGGTGGATCTGAAGAACGGGTATGGCTTTGTGGATTTGATGATCTGGTGA  
 TGCAGACGATGCTGTTTATGAACTGAACGGCAAAGACCTGTGTGGCAGCGAGTCAATTGTTGAGCACGCT  
 CGAGGCCCGCGCGGGATGGCAGCTACGGCTCGGGACGCAGTGGATATGGTTATCGAAGAAGTGGCCGAG  
 ATAATAACGGTCCCCCTACTCGCACAGAATACAGACTTATTGTGGAGAATTTGTCAAGTCGATGCAGCTG  
 GCAGGACCTAAAGGATTACATGCGTCAGGCAGGAGAAGTACGATGCAGATGCTCACAAGGACGCAAA  
 AACGAAGGAGTGATTGAATTTGTGCTTACTCTGATATGAAAAGAGCTTTGAAAAGCTGGACGGAAGT  
 AAGTCAACGGCAGAAAAATCAGATTAGTTGAAGACAAGCCAGGTTCTAGCGCGCCGGTCTTACTCCAG  
 AAGCCGGAGTCACTCAAGGTCTCGCTCTCGAAGCAGACATCCCGGAAGAGCAGAAGCCGGAGTGGTAGC  
 AGTAAAAGCAGCCATTCCAAGAGCCGGTCTCGATCCAGGTTCAGGTTCCCACTCCCGCAGCAAGAGCCGCA  
 GTCGAGTCAGAGCCGACGCCGAGTAAGAAGGAGAAAAGCCGGAGCCCAAGCAAGGACAACAAGAGCCG  
 CAGTTCGACGCCGAGCCCTGACAAGAGCCGAGTAAGAGTAAAGACCACGCCGAGGACAAGCTCCAAAAC  
 AACGACAGCGCCGGCAAAGCCAAAGAGCCACAGCCCGCCGATGACAGTAAAAGTCCGAGCAGGAGCC  
 AGGAGAGGAGAGCAGAGGAGGAGAGGCGAAGGAGCGTGAAGAGGCTCGCAGCCAGGAGAAGAGCCGAG  
 CCAGGAGAAGAGCCTTCTCAAGAGCCGACGCCGAGCCGAGCCGAGCCGAGCCGAGCAAGGACAAG  
 CGAAGGGAAGGAAGAGAAGCAGGAGCAAAGTCAAGCCGACGCCGAGCAAGAGCGAGCGTAGCCGAA  
 AACACAGCAGCAAGCGGGACAGCAAAGTCAAGTCAAGCAGCAGCAGCAGCAAGAAGAAGGACACCGA  
 CCACTCCCGGTACCCGTCGCTCGGTGTCAAAGGAGCGAGAACATGCCAAGGCAGAGTCTGGCCAGAGG  
 GGAAGCCGGGAGAGGTTGAGAGCGAGGCCCAATCCAGAGCCCGGGCCAGGTCAAGTCCACCTCCA  
 AATCCAAACCAATGTCCCGCAGAGTCCGCTCCAGGTCAAATCGGCTTCAAAAACACGCTCTCGGT  
 CAAGTCTCCATCCAGGTCTGCTCCAGGTCCGCTCCCGGTCTAGATCCAGGTCCCACTCAAGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207825 protein sequence  
 Red=Cloning site Green=Tags(s)

MPRVYIGRLSYQARERDVERFFKGYGKILEVDLKNYGFVEFDDLRDADDAVYELNGKDLGERVIVEHA  
 RGPRRDGSYSGRSGYGYRRSGRDKYGPPTREYRLIVENLSSRCSWQDLKDYMRQAGEVYADAHKGRK  
 NEGVIIEFVSYSDMKRALEKLDGTEVNGRIRLVEDKPGSRRRRSYSRSHSRSHSRSHSRSHSRSGS  
 SKSSHRSRSHSRSGSHRSKRSRSQSRSRKKEKSRSPSKDNKSRSHSRSPDKSRSKDHAEDKLQN  
 NDSAGKAKSHSPSRHDSKRSRSQERRAEERRRSVSRARSQEKSRSQEKSLKRSRSHSRSHSRSKDK  
 RKGRKSRDESRSHRSKRSRKHSSKRDSKVSSSSSSKKKKTDHSRSPSRSVSKEREHAKAESGQR  
 GSRAEGESEAPNPEPRARSRSTSKSPNVAESRSRKSASKTRSRKSPSRASRSPSRSHSRSHSR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC019437

**ORF Size:** 1467 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

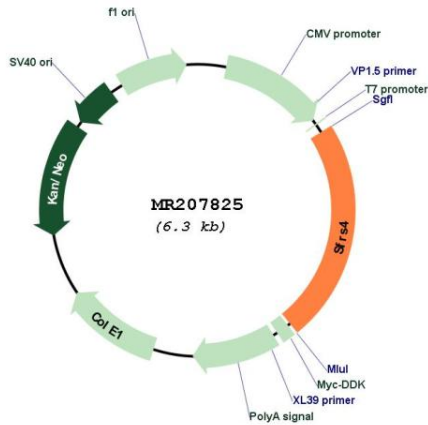
**Locus ID:** 57317

**Cytogenetics:** 4 D2.3

**MW:** 56 kDa

**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]

**Product images:**



Circular map for MR207825