

Product datasheet for **RG234312**

SFRS12 (SREK1) (NM_001270492) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SFRS12 (SREK1) (NM_001270492) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SFRS12
Synonyms:	SFRS12; SRrp86; SRrp508
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234312 representing NM_001270492
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGACAAGTCTGATGCCTGGTGCAGGATTGCTTCCAATACCGACCCCAATCCTTTGACTACTCTTGGTG
 TTTCACCTAGCAGTTTGGGAGCTATACCAGCAGCAGCACTAGACCCCAACATTGCAACACTTGGAGAGAT
 ACCACAGCCACCCTTATGGGAAACGTGGATCCTTCCAAAATAGATGAAATTAGGAGAACGGTTTATGTT
 GGAAATCTGAATCCCAGACAACGACAGCTGATCAACTACTTGAATTTTTTAAACAAGTTGGAGAAGTGA
 AGTTTGTGCGGATGGCAGGTGATGAGACTCAGCCAACCGGTTTGCTTTTGTGGAATTTGCAGACCAAAA
 TTCTGTACCAAGGGCCCTTGCTTTTAAATGGAGTTATGTTTGGAGACAGGCCACTGAAAATAAATCACTCC
 AACATGCAATAGTAAACCCCTGAGATGACACCTCAGGCTGCAGCTAAGGAGTTAGAAGAAGTAATGA
 AGCGAGTACGAGAAGCTCAGTCATTTATCTCAGCAGCTATTGAACCAGAGTCTGGAAAGAGCAATGAAAG
 AAAAGGGCGTTCGATCTCGTTCCCATCTCGCTCAAAATCCAGGTCTAGCTCAAAATCCCATTCTAGAAGG
 AAAAGATCACAATCAAAACACAGGAGTAGATCCCATATAGATCACGTTCAAGACAGAAAGACAGACGTA
 GATCTAAGAGCCACATAAAAAACGCTCTAAATCAAGGGAGAGACGGAAGTCAAGGAGTCGTTTCGCATTC
 ACGGGACAAGAGAAAAGACACTCGAGAAAAGATCAAGGAAAAGGAAAGAGTGAAAGAGAAAAGACAGGGAA
 AAGGAGAGAGAGAGGAAAAGGAACGTGAAAAGAAAAGGAACGGGGTAAAAACAAGACCGGGACAAGG
 AACGGGAAAAGGACCGGAAAAGACAAGGAAAAGGACAGAGAGAGAGAACGGGAAAAGAGCATGAGAA
 GGATCGAGACAAGAGAAGGAAAAGGAACAGGACAAAAGAAAAGGAACGAGAAAAGACAGATCCAAAGAG
 ATAGATGAAAAAGAAAAGGATAAAAAATCCAGAACACCCAGGAGTTACAATGCATCGCGAAGAT
 CTCGTAGTTCCAGCAGGAAAAGCGTAGGAGGAGGAGCAGGAGTTCTTCCAGATCGCCAAGAATCAAA
 AACCATAAAAAGGAAATCTTCTAGATCTCCGTCCCCCAGGAGAAATAAGAAGGATAAAAAAGAGAGAAAA
 GAAAGGGACCACATCAGTGAAAGAAGAGAGAGAGAACGTTCAACGTCTATGAGAAAGAGTTCTAATGATA
 GAGATGGGAAGGAGAAGTTGGAGAAGAACGACTTCACTTAAAGAGAAAAGAGCACAATAAAGAACCAGA
 TTCAAGTGTGAGCAAAGAAGTAGATGACAAGGATGCACCAAGGACTGAGGAAAACAAAATACAGCACAAT
 GGGAAATTGCAGCTGAATGAAGAAAACCTCTACCAAAACAGAAGCAGTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234312 representing NM_001270492
 Red=Cloning site Green=Tags(s)

MTSLMPGAGLLPIPTPNPLTTLGVSLSSGAIPAAALDPNIATLGEIPQPLMGNVDPKIDEIRRTVYV
 GNLNSQTTTADQLLEFFKQVGEVKFVRMAGDETQPTRFAFVEFADQNSVPRALAFNGVMFGDRPLKINHS
 NNAIVKPPPEMTPQAAAKELEEVMKRVREASQSFISAAIEPESGKSNERKGGRSRSHRSKSRSSSKSHSRR
 KRSQSKHRSRSHNRSRQKDRRRRSKSPHKRSKSRERRRSRSHSRDKRKDTREIKIEKERVKEKDRE
 KEREREKEREKEKERGKNKDRDKEREKDREKDKEREREREKEHEKDRDKEKEKEQDKEKEREKDRSKE
 IDEKRKKDKKSRTPPRSYNASRRSRSSSRERRRRSRSSSRSPRTSKTIKRKSSRSPSPRRNKDKKREK
 ERDHISERRERERSTMRKSSNDRDGKEKLEKNSTSLKEEHNKEPDSSVSKEVDKAPRTEENKIQHN
 GNCQLNEENLSTKTEAV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001270492

ORF Size: 1521 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_001270492.2](#)

RefSeq Size: 6903 bp

RefSeq ORF: 1524 bp

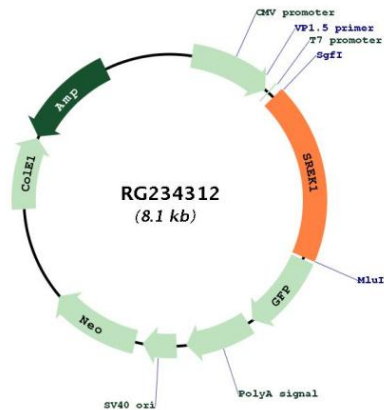
Locus ID: 140890

UniProt ID: [Q8WXA9](#)

Cytogenetics: 5q12.3

Gene Summary:

This gene encodes a member of a family of serine/arginine-rich (SR) splicing proteins containing RNA recognition motif (RRM) domains. The encoded protein interacts with other SR proteins to modulate splice site selection. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Product images:


Circular map for RG234312