

Product datasheet for **MR208059**

Sf3a3 (NM_029157) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sf3a3 (NM_029157) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sf3a3
Synonyms:	60kDa; 4930512K19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208059 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGACAATTTTAGAGCAGCAACGGCGCTATCATGAGGAGAAGGAACGGCTTATGGATGTTATGGCCA
 AAGAGATGCTTACGAAGAAGTCCACGCTTCGGGACCAGATCAATTCCGATCACCGCACTCGGGCCATGCA
 AGATAGGTACATGGAGGTCAGTGGGAACCTGAGGGATTTGTATGATGATAAGGACGGACTCGGGAAGGAG
 GAGCTCAATGCTATCTCAGGACCAACGAGTTCGCTGAATTCTATAACAGACTCAAGCAGATAAAGGAAT
 TCCATCGGAAGCACCCAAATGAGATCTGTGTGCCAATGTCAGTGGAAATTTGAGGAGCTGTGAAGGCTCG
 AGAGAATCCAAGTGAAGAGGCACAAAACCTGGTGGAGTTCACAGATGAAGAGGGATATGGTCGTACCTT
 GATCTCCATGACTGCTACCTCAAATACATTAACCTGAAGGCATCTGAGAAGCTGGATTACATCACATAACC
 TGTCATCTTTGACCAGTTGTTTGACATTCCTAAAGAAAGAAAGAATGCAGAGTACAAAAGATACCTGGA
 GATGCTGTGGAGTACCTACAGGATTACACAGATAGAGTGAAGCCCTTCAGGATCAGAACGAGCTCTTT
 GGAAGATTAGACCGACTTTGAGAAGAAGTGGGATAATGGCACCTTTCTGGATGGCCGAAAGAGACAA
 GCAGCGCCTGACTCACGCGGGAGCCCATCTTGATCTCTCCGCATTCTCCTCTGGGAGGAGTTGGCATC
 CCTGGGTCTGGATAGGTTGAAATCTGCACTATTGGCATTGGGCTGAAGTGTGGCGGACCTAGAAGAA
 CGAGCTCAGAGGCTCTCAGCACCAAGGAAAGTCTTTGGAGTCACTCGACACTTCTCTGTTTGCCAAAA
 ATCCCAAGTCAAAGGGCACAAAAAGAGACTGAGAGGAACAAAGACATTGCTTTCTGGAAGCCAGAT
 CTATGAATACGTGGAGATTCTCGGGAACAGCGACAGCTCACTCATGAAAATGTTGAGCGCAAGCAAGCC
 AGGACAGGCGAGGAGCGGGAGGAGGAGGAGGAGCAGATCAGCGAGAGCGAAAGTGAAGCAGAGAGA
 ATGAGATCATTTACAACCCCAAGAACCTGCCGCTGGGCTGGGACGGCAAGCCATCCCCTACTGGCTGTA
 CAAGCTCCACGGCTGAATATCAACTACAACCTGTGAGATCTGTGGAACTACACCTACCGAGGGCCCAAG
 GCCTTCCAGCGGCACTTTGCGGAGTGGCGTCATGCTCATGGCATGAGGTGTTGGGCATCCCAAACACTG
 CCCACTTTGCAAATGTGACACAGATTGAAGATGCTGTCTCCTTGTGGCCAAAGCTGAAACTGCAGAAGGC
 TTCAGAACGGTGGCAGCCTGACACCGAGGAAGAATATGAAGACTCCAGTGGAAATGTTGTGAACAAGAAG
 ACATACGAGGATCTGAAAAGACAAGGGCTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208059 protein sequence
 Red=Cloning site Green=Tags(s)

METILEQRRRYHEEKERLMDVMAKEMLTKKSTLRDQINSDHRTRAMQDRYMEVSGNLRDL YDDKDLRKE
 ELNAISGPNEFAEFYNRLKQIKEFHRKHPNEICVPMSEFEELLKARENPEEEAQNLFVETDEEGYGRYL
 DLHDCYLKYINLKASEKLDYITYLSIFDQLFDIPKERKNAEYKRYLEMLLEYLQDYTDREVPLQDQNELF
 GKIQTDFEKKWDNGTFPGWPKETSSAL THAGHLDL SAFSSWEELASLGLDRLKSALLALGLKCGGTLEE
 RAQRLFSTKGSLESLSLFAKNPKSKGTRDTERNKDIAFLEAQIYEYVEILGEQRQL THENVQRKQA
 RTGEEREEEEEEQISESESEDEENEI IYNPNLPLGWDGKPIPYWLYKLHGLNINYNCEICGNITYRGPK
 AFQRHFAEWRHAHGMRC LGIPNTAHFANVTQIEDAVSLWAKLKLQKASERWQPDTEEEYEDSSGNVVKK
 TYEDLKRQGLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_029157

ORF Size: 1506 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_029157.3](#), [NP_083433.1](#)

RefSeq Size: 1710 bp

RefSeq ORF: 1506 bp

Locus ID: 75062

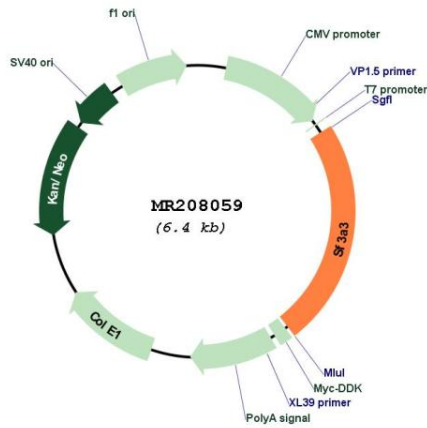
UniProt ID: [Q9D554](#)

Cytogenetics: 4 D2.2

MW: 58.8 kDa

Gene Summary: Involved in pre-mRNA splicing as a component of the splicing factor SF3A complex that contributes to the assembly of the 17S U2 snRNP, and the subsequent assembly of the pre-spliceosome 'E' complex and the pre-catalytic spliceosome 'A' complex. Involved in pre-mRNA splicing as a component of pre-catalytic spliceosome 'B' complexes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208059