

Product datasheet for **MG208035**

Sf3a3 (BC092058) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sf3a3 (BC092058) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sf3a3
Synonyms:	60kDa; 4930512K19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208035 representing BC092058
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACAATTTTAGAGCAGCAACGGCGTATCATGAGGAGAAGGAACGGCTTATGGATGTTATGGCCA
 AAGAGATGCTTACGAAGAAGTCCACGCTTCGGGACCAGATCAATTCCGATCACCGCACTCGGCCATGCA
 AGATAGGTACATGGAGGTCAGTGGGAACCTGAGGGATTTGTATGATGATAAGGACGGACTGCGGAAGGAG
 GAGCTCAATGCTATCTCAGGACCAACGAGTTTGTCTGAATTCTATAACAGACTCAAGCAGATAAAGGAAT
 TCCATCGGAAGCACCCAAATGAGATCTGTGTGCCAATGTCAGTGGAAATTTGAGGAGCTGTGAAGGCTCG
 AGAGAATCCAAGTGAAGAGGCACAAAACCTGGTGGAGTTCACAGATGAAGAGGGATATGGTCGCTACCTT
 GATCTCCATGACTGCTACCTCAAATACATTAACCTGAAGGCATCTGAGAAGCTGGATTACATCACATAACC
 TGTCATCTTTGACCAGTTGTTTGACATTCCTAAAGAAAAGAAAGATGCAGAGTACAAAAGATACCTGGA
 GATGCTGTGGAGTACCTACAGGATTACACAGATAGAGTGAAGCCCTTCAGGATCAGAACGAACCTTTT
 GGAAGATTGAGACCGACTTTGAGAAGAAGTGGGATAATGGCACCTTTCTCGGATGGCCGAAAGAGACAA
 GCAGCGCCTGACTCACGCGGGAGCCCATCTTGATCTCTCCGCATTCTCCTCTGGGAGGAGTTGGCATC
 CCTGGGTCTGGATAGGTTGAAATCTGCACTATTGGCATTGGGCTGAAGTGTGGCGGGACCTAGAAGAA
 CGAGCTCAGAGGCTCTTACGACCAAAGGAAAGTCTTGGAGTCACTCGACACTTCTCTGTTTGGCAAAA
 ATCCCAAGTCAAAGGGCACAAAAAGAGACTGAGAGGAACAAAGACATTGCTTTCTGGAAGCCAGAT
 CTATGAATACGTGGAGATTCTCGGGAACAGCGACAGCTCACTCATGAAAATGTACAGCGCAAGCAAGCC
 AGGACAGGCGAGGAGCGGGAGGAGGAGGAGGAGGAGCAGATCAGCGAGAGCGAAAGTGAAGCAGAGAGA
 ATGAGATCAATTTACAACCCCAAGAACCTGCCGCTGGGCTGGGACGGCAAGCCCATCCCCTACTGGCTGA
 CAAGCTCCACGGCCTGAATATCAACTACAACCTGTGAGATCTGTGGAACTACACCTACCGAGGGCCCAAG
 GCCTTCCAGCGGCACTTTGCGGAGTGGCGTCATGCTCATGGCATGAGGTGTTTGGGCATCCAAACTG
 CCCACTTTGCAAATGTGACACAGATTGAAGATGCTGTCTCCTTGTGGCCAAGCTGAAACTGCAGAAGGC
 TTCAGAACGGTGGCAGCCTGACACCGAGGAAGAATATGAAGACTCCAGTGGAAATGTTGTGAACAAGAAG
 ACATACGAGGATCTGAAAAGACAAGGGCTGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

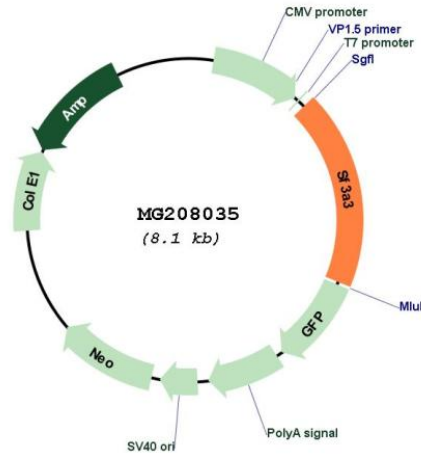
>MG208035 representing BC092058
 Red=Cloning site Green=Tags(s)

METILEQRRYHEEKERLMDVMKEMLTKKSTLRDQINSDHRTRAMQDRYMEVSGNLRDL YDDKDLRKE
 ELNAISGPNEFAEFYNRLKQIKIEFHRKHPNEICVPMSVEFEELLKARENPSSEEAQNLVEFTDEEGYGRYL
 DLHDCYLKYINLKASEKLDYITYLSIFDQLFDIPKERKNAEYKRYLEMLLEYLQDYTDVVKPLQDQNELF
 GKIQTDFEKKWDNGTFPGWPKETSSALTHAGAHLDL SAFSSWEELASLGLDRLKSALLALGLKCGGTLEE
 RAQRLFSTKGKSLESLDTSLFAKNPKSKGTRDTERNKDIAFLEAQIYEYVEILGEQRQLTHENVQRKQA
 RTGEEREEEEEEQISESESEDEENEIIYNPNLPLGWDGKPIPYWLYKLHGLNINYNCEICGNITYRGP
 AFQRHFAEWRHAHGMRCGLGIPNTAHFANVTQIEDAVSLWAKLKLQKASERWQPDTEEEYEDSSGNVNVNK
 TYEDLKRQGLL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN: BC092058

ORF Size: 1505 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: [BC092058](#), [AAH92058](#)

RefSeq Size: 1777 bp

RefSeq ORF: 1505 bp

Locus ID: 75062

Cytogenetics: 4 D2.2

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]