

Product datasheet for **RG203895**

SF3A3 (NM_006802) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SF3A3 (NM_006802) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SF3A3
Synonyms:	PRP9; PRPF9; SAP61; SF3a60
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203895 representing NM_006802
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACAATACTGGAGCAGCAGCGCGCTATCATGAGGAGAAGGAACGGCTCATGGACGTCATGGCTA
 AAGAGATGCTCACCAAGAAGTCCACGCTCCGGGACCAGATCAATTCTGATCACCGCACTCGGCCATGCA
 AGATAGGTATATGGAGGTCAGTGGGAACCTGAGGGATTTGTATGATGATAAGGATGGATTACGAAAGGAG
 GAGCTCAATGCCATTTACAGGACCAATGAGTTTGTCTGAATTCTATAATAGACTCAAGCAAATAAAGGAAT
 TCCACCGGAAGCACCAAAATGAGATCTGTGTGCCAATGTCAGTGGAAATTTGAGGAACTCTGAAGGCTCG
 AGAGAATCCAAGTGAAGAGGCACAAAACCTGGTGGAGTTCACAGATGAGGAGGGATATGGTCGTTATCTC
 GATCTCCATGACTGTTACCTCAAGTACATTAACCTGAAGGCATCTGAGAAGCTGGATTATACACATACC
 TGTCATCTTTGACCAATATTTGACATTCCTAAAGAAAGGAAGAATGCAGAGTATAAGAGATACCTAGA
 GATGCTGCTTGTAGTACCTTCAGGATTACACAGATAGAGTGAAGCCTCTCCAAGATCAGAATGAACTTTTT
 GGGAAAGATTGAGCTGAGTTTGAAGAAGAAATGGGAGAATGGGACCTTTCTCGGATGGCCGAAAGAGACAA
 GCAGTGCCTGACCCATGCTGGAGCCCATCTTGACCTCTCTGCATTCTCCTCTGGGAGGAGTTGGCTTC
 TCTGGGTTTGGACAGATTGAAATCTGCTCTTAGCTTTAGGCTTGAAATGTGGCGGGACCTAGAAAGAG
 CGAGCCCAGAGACTATTCAGTACCAAAGGAAAGTCCCTGGAGTCACTTGATACCTCTTTGTTTGGCAAAA
 ATCCCAAGTCAAAGGGCACCAAGCGAGACACTGAAAGGAACAAAGACATTGCTTTTCTAGAAGCCCAGAT
 CTATGAATATGTAGAGATTCTCGGGAACAGCGACATCTCACTCATGAAAATGTACAGCGCAAGCAAGCC
 AGGACAGGAGAAGAGCGAGAAGAAGAGGAAGAAGAGCAGATCAGTGAGAGTGAAGATGAAGAGA
 ACGAGATCATTTACAACCCAAAACCTGCCACTTGGCTGGGATGGCAAACCTATCCCTACTGGCTGTA
 TAAGCTTCATGGCCTAAATATCAACTACAACCTGTGAGATTTGTGGAAACTACACCTACCGAGGGCCCAAA
 GCCTTCCAGCGACACTTTGCTGAATGGCGTCATGCTCATGGCATGAGGTGTTGGGCATCCCAAACACTG
 CTCACTTTGCTAATGTGACACAGATTGAAGATGCTGTCTCCTTGTGGCCAAACTGAAATTCGAGAAGGC
 TTCAGAACGATGGCAGCCTGACACTGAGGAAGAATATGAAGACTCAAGTGGGAATGTTGTGAATAAGAAG
 ACATACGAGGATCTGAAAAGACAAGGACTGCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG203895 representing NM_006802
 Red=Cloning site Green=Tags(s)

METILEQRRYHEEKERLMDVMKEMLTKKSTLRDQINSDHRTRAMQDRYMEVSGNLRDL YDDKDLRKE
 ELNAISGPNEFAEFYNRLKQIKFHRKHPNEICVPMSEFEELLKARENPSSEEAQNLVEFTDEEGYGRYL
 DLHDCYLKYINLKASEKLDYITYLSIFDQLFDIPKERKNAEYKRYLEMLLEYLQDYTDVPLQDQNELF
 GKIQAEFEKKWENGTFPGWPKETSSALTHAGAHLDL SAFSSWEELASLGLDRLKSALLALGLKCGGTLEE
 RAQRLFSTKGKSLESLDTSLFAKNPKSKGTRDTERNKDIAFLEAQIYEYVEILGEQRHLTHENVQRKQA
 RTGEEREEEEEEQISESESEDEENEIIYNPNLPLGWDGKPIPYWLYKLHGLNINYNCEICGNITYRGP
 AFQRHFAEWRHAHGMRCGLGIPNTAHFANVTQIEDAVSLWAKLKLQKASERWQPDTEEEYEDSSGNVNVNK
 TYEDLKRQGLL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006802

ORF Size: 1503 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_006802.2](#), [NP_006793.1](#)

RefSeq Size: 2855 bp

RefSeq ORF: 1506 bp

Locus ID: 10946

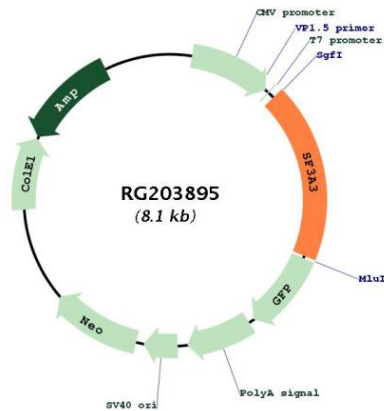
UniProt ID: [Q12874](#)

Cytogenetics: 1p34.3

Protein Pathways: Spliceosome

Gene Summary: This gene encodes subunit 3 of the splicing factor 3a protein complex. The splicing factor 3a heterotrimer includes subunits 1, 2 and 3 and is necessary for the in vitro conversion of 15S U2 snRNP into an active 17S particle that performs pre-mRNA splicing. Subunit 3 interacts with subunit 1 through its amino-terminus while the zinc finger domain of subunit 3 plays a role in its binding to the 15S U2 snRNP. This gene has a pseudogene on chromosome 20. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RG203895