

Product datasheet for **RR210554**

Sf3a3 (NM_001025698) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sf3a3 (NM_001025698) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sf3a3
Synonyms:	LRRGT00093
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210554 representing NM_001025698
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACAATTTTAGAGCAGCAACGGCGCTATCATGAGGAGAAAGAACGGCTTATGGATGTTATGGCCA
 AAGAAATGCTCACTAAGAAGTCCACGCTCCGGGACCAGATCAATTCCGATCACCGCACTAGGGCCATGCA
 AGATAGATACATGGAGGTCAGTGGGAACCTGAGGGATTTGTATGATGATAAGGATGGATTACGAAAGGAG
 GAGCTCAATGCTATTTACAGGACCAATGAGTTTGTCTGAATTCTATAACAGACTGAAGCAGATAAAGGAAT
 TTCATCGGAAGCACCCAAATGAGATCTGTGTGCCAATGTCGGTGGAAATTCGAGGAGCTCTGAAAGCTCG
 AGAGAATCCAAGTGAAGAGGCACAAAACCTGGTGGAGTTACAGATGAAGAGGGATATGGTCGTACCTT
 GATCTCCATGACTGCTACCTCAAGTACATTAACCTGAAGGCATCTGAGAAGCTGGATTACATCACATAACC
 TGTCATCTTCGATCAGTATTTGACATTCGAAAGAAAGAAAGAAATGCAGAGTATAAAGATACCTGGA
 GATGCTGCTGGAGTACCTACAGGATTACACAGATAGAGTGAAGCCCTTCAGGATCAGAAGGAGCTCTTT
 GGGAAAGATTACAGACCGACTTTGAGAAGAAGTGGGATAATGGCACCTTCCCTGGATGGCCGAAAGAGACAA
 GCAGTGCCTGACTCACGCGGGAGCCCATCTTGATCTCTCCGATTCTCCTCTGGGAGGAGTTGGCATC
 CCTGGGTCTGGACAGATTGAAATCTGCACTGTTGGCTTTAGGCCTGAAGTGTGGTGGGACCTAGAAGAA
 CGAGCTCAGAGACTCTTCAGCACCAAGGAAAGTCTTGGAGTCGCTCGACACCTCTCTGTTTGCCAAAA
 ATCCCAAGTCAAAGGGCACAAAGAGAGACACTGAGAGGAACAAAGACATTGCTTTCTGGAAGCCAGAT
 CTATGAATATGTGGAGATTCTTGGGGAACAGCGACAGCTCACTCATGAAAATGTACAGCGCAAGCAAGCC
 AGGACAGGTGAGGAGCGGGAGGAGGAGGAAGAAGAGCAGATCAGCGAGAGCGAAAGTGAAGCAGAGAGA
 ATGAAATCATTTACAACCCAAAAACCTGCCTCTGGGCTGGGACGGCAAACCCATCCCCTACTGGCTGTA
 CAAGCTCCACGGCTGAACATCAACTACAACCTGTGAGATCTGCGGGAACACTACACTTACCGAGGGCCGAAG
 GCCTTCCAGCGGCACTTCGCTGAATGGCGTCATGCTCATGGCATGAGGTGTTTGGGCATCCAAACTG
 CCCACTTTGCAAATGTGACACAGATTGAAGATGCTGTCTCCTTGTGGCCAAAGCTGAAACTGCAGAAGGC
 TTCAGAACGATGGCAGCCTGACACCGAGGAAGAATATGAAGACTCCAGTGGAAATGTTGTGAACAAGAAG
 ACATACGAGGATCTGAAAAGACAAGGACTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210554 representing NM_001025698
 Red=Cloning site Green=Tags(s)

METILEQRRYHEEKERLMDVMAKEMLTKKSTLRDQINS DHRTRAMQDRYMEVSGNLRDL YDDKDLRKE
 ELNAISGPNEFAEFYNRLKQIKFHRKHPNEICVPMSVEFEELLKARENPS EEAQNLVEFTDEEGYGRYL
 DLHDCYLKYINLKASEKLDYITYLSIFDQLFDIPKERKNAEYKRYLEM LLEYLQDYTD RVKPLQDQNELF
 GKIQTDFEKKWDNGTFPGWPKETSSAL THAGAHLDL SAFSSWEELASLGLDRLKSALLALGLKCGGTL EE
 RAQRLFSTKGKSLES LDTSLFAKNPKSKGTRKRDTERNKDIAFLEAQIYEYVEILGEQRQL THENVQRKQA
 RTGEEREEEEEQISESESEDEENEI IYNPKNLPLGWDGKPIPYWLYKLHGLNINYNCEICNGYTYRGPK
 AFQRHFAEWRHAHGMRC LGIPNTAHFANVTQIEDAVSLWAKLKLQKASERWQPDEEEYEDSSGNVYVKK
 TYEDLKRQGLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

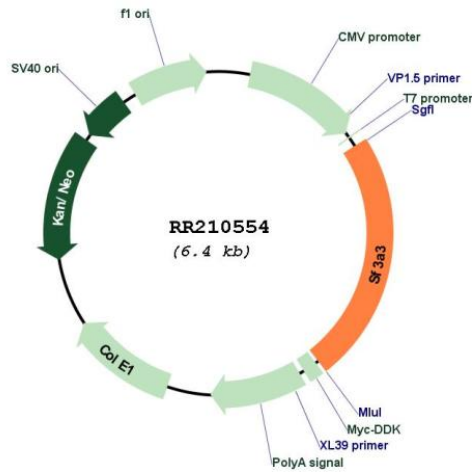
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001025698

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_001025698.1](#), [NP_001020869.1](#)

RefSeq Size: 1789 bp

RefSeq ORF: 1506 bp

Locus ID: 313583

Cytogenetics: 5q36

MW: 58.8 kDa