

Product datasheet for **RG211018**

SALF (STON1-GTF2A1L) (NM_172311) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SALF (STON1-GTF2A1L) (NM_172311) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STON1-GTF2A1L
Synonyms:	ALF; GTF2A1L; GTF2A1LF; SALF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211018 representing NM_172311 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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GTGAATGTACAAGAATTTGAGCAATCAAGAATCATTAAAGTTTGTACCTCTGGATGCCTGCCGTTTGGAGC
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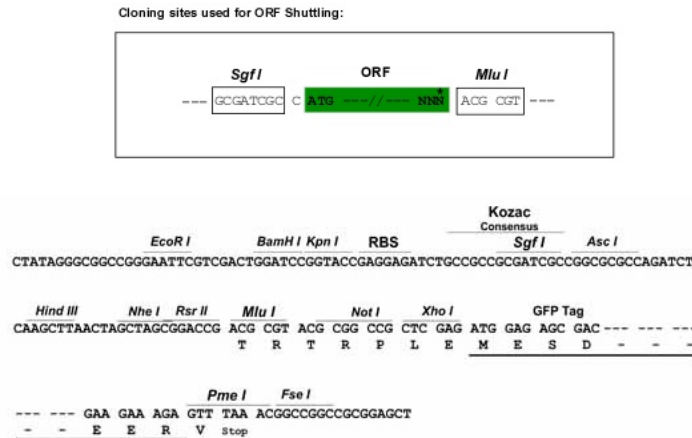
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Protein Sequence: >RG211018 representing NM_172311
 Red=Cloning site Green=Tags(s)

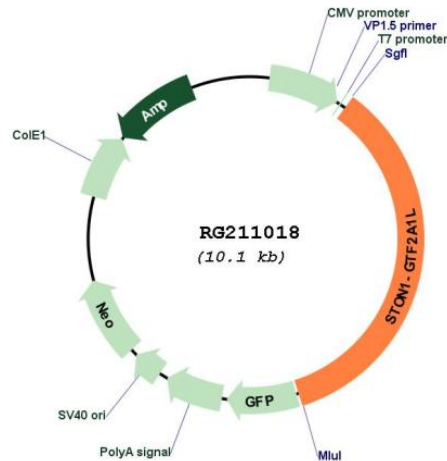
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 IQVDGSGDTSNNEIGSTRDADENEFLGNIDGGDLKVPEEEADSI SNEDSATNSSDNEDPQVNIVEEDPL
 NSGDDVSEQDVPDLFDTDNVIVCQYDKIHRSKNKWK FYLKDGV MCFGRD YVFAKAIGDAEW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI
Cloning Scheme:



Plasmid Map:



ACCN: NM_172311

ORF Size: 3546 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_172311.1](#), [NP_758515.1](#)

RefSeq Size: 3824 bp

RefSeq ORF: 3549 bp

Locus ID: 286749

Cytogenetics: 2p16.3

Protein Families: Transcription Factors

Gene Summary:

STON1-GTF2A1L mRNAs are infrequent but naturally occurring read-through products of the neighboring STON1 and GTF2A1L genes. These transcripts encode fusion proteins composed of the vast majority of each of the individual elements, stonin 1 and general transcription factor IIA, 1-like. Alternative splicing results in multiple transcript variants. The significance of these read-through variants and the function of the resulting protein products have not yet been determined. [provided by RefSeq, Oct 2010]