

## Product datasheet for **SC107018**

### SALF (STON1-GTF2A1L) (NM\_172311) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SALF (STON1-GTF2A1L) (NM_172311) Human Untagged Clone
Tag:	Tag Free
Symbol:	SALF
Synonyms:	ALF; GTF2A1L; GTF2A1LF; SALF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_172311, the custom clone sequence may differ by one or more nucleotides

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ATGTGCTCCACAAATCCAGGCAAATGGGTCACCTTTGATGATGATCCTGCTGTTCAATCTTCTCAAAGT
CAAAGAATTTTCTCTGGAGAATCAAGGTGTCTGTAGACCAAATGGACTGAAGCTGAACCTTCTGGCCT
CAGGGAATTTCCAGTGGATCTTCTCCACCAGCAGCACTCCTCTCTCTCCCCATTGTAGATTTTAT
TTCAGTCCAGGACCTCCAAGTAACTCTCTCTTTCTACACCTACCAAAGACTTCCAGGTTTTCTGGCA
TCCCCAAAGCAGGGACTCATGTGCTTTATCCTATTCCAGAATCATCTTCAGACAGCCCACTCGCAATATC
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TCATGTACACATCCAACCTCCAAAGTAGGTCTTCCAGATGAAGTTAATCCTCAACAGGCTGAAAGCCTAG
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AACAAAGGAGATGCCTATTGACCAAAAAAGCCTAAATAAGTGTTCACTCAACTATATCTGTGAGAAGCTTG
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AAATGCCTCTTCCCTTTGCCCCACACACTCTTCAGGAGTCAGCCAAAATCCGGATGGTCTTTTCATGCTG
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GATGAAGTTGCCAGCTGTTTCAAACCAAAAAAGAACTACGAGGAGCAAGAAATTTCTTGAAATTTGTG
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GCCTCTGCTTTGTGAATGGGAACCTGGAATGCTTTTTAACCTTGAATGACCTTGAGTTGCCGAAGCGAGA
TGAATCCTATTATGAGAAGGACTCAGAAAAAAGGGGATTGATATTCTTGACTACCATTTTCATAAGTGT
GTGAATGTACAAGATTTGAGCAATCAAGAATCATTAAGTTTGTACCTCTGGATGCCTGCCGTTTGAGC
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GGGAGCATACGTGGAACCTCAGGCTTTTGTCAACATGGCCTCATTGGCGCAGAGGTCATCCTATGCTGGT
TCCTTAAGGTCTGTGACAATAAAGGATACACTTTCTGTCCCATCGCAGTGGATCAAGGCCCTTTGGA
CCATGAACCTCCAGAGGCAGAAGTCTCTGAAAGCTAAATGAACCGCCGAGCATGTCTGGGGAGTTTACA
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GTGGTATGGAAGATAGATCGGCTCCAGACAAAATTCAAGTCTAGATCATCCCCATTGTCTGTCATACA
AATTAGAGCTTGGATCAGACCAAGAAATCCCTCTGATTGGTATCCATTTGCTACTGTTCCAGTTTTCCGT
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GAGTCCCTCTCCACAAGCCCTCATGGGGCTCTCCACCAGCACGTGACTGATATTCAGCTTCATATTTCTTA
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ATCAGAGAAAGGATTCTAATCTCAGGTGGATTTAAGCATTGCGGTTACTGATGATGATATTGGTGAATA
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TGAGGATTCAGCCACAAACAGTAGTGATATGAAGACCCTCAAGTAAACATTGTAGAAGAGGACCCTTTA
AATTCTGGAGATGATGTTAGTGAACAGGATGTGCCAGACCTGTTTACACGGATAATGTTATTGTCTGTC
AGTATGATAAGATTTCATCGAAGCAAGAACAATGGAAATCTATTTGAAAGATGGTGTATGTGTTTTGG
AGGGAGAGACTATGTATTTGCAAAAGCCATTGGTGTGCAGAGTGGTAA
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**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_172311 unedited
CCGCCCCGTTGCCGATTGGGCGGTAGGCGGTGACGGTGGNGAGTCTATATAAGCAGAGCT
CATTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGTCAGCGGCCGCAATTCC
GCACGAGGGCGCCCTCACGCTCCCTCGGGTCTCTGTGTCTCTCTCCCGCTCCCGGAC
TCCCTCCTCTTCTGACTGCTGTTATTTGGGCTGTGTCCCTCCCGCTCCCTGGTACCT
CAGCTCGGACCTAGCCTGTGCCTGCAGCCGGAGTCCCTCCTGCCCTGGAAGGCAAGG
AGCCAGGCCACGGGGCCACAGCCGCGGGGCCACCACACTGGCCCAAATATTTCTCGAC
AGTCAACCTATTTGATTTCTTGACAAGACCACAATCTGATCCCAAAGATGTGCTCCAAA
ATCCAGGCAAATGGGTACCTTTGATGATGATCCTGCTGTTCAATCTTCTCAAAGTCAAA
GAATTTTCTCTGGAGAATCAAGGTGTCTGTAGACCAAATGGACTGAAGCTGAACCTTCC
TGGCCTCAGGNAATTTCCAGTGGATCTTNTNCAACCAGCAGCACTCCTCTCTTCTCCCC
CATTGTAGATTTTTTATTTCAAGTTCANGACCTCCNAGTAAACTCTCTTCTTACACCTA
CCNAAGACTTNNCCAGTTTTCTGGCATCCCCAAAGCAGGGACTCATGTGCCTTTATCCT
ATTCAGATCATCTTCAAACAGCCCACTCGCATTATCAGGAGGAAGATTCTTCTNACTGC
CTACCAGACCAACTGGTTATCCCATTGCCTTGTACCAGTGGCCCTCCTGTACCCTTCC
ACTTCAAAGTAGGTCTTCAAAGAAGTTAATCCCAAACGGCTTGAAGCCTAGGATCCCA
AGGGAAGTTCCTCCCTTTTCATTTTTTCCAAGGCCAGGGCTTTTTCAGTCTTTTGGAA
AATAAAGGCTTT
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**Restriction Sites:** NotI-NotI  
**ACCN:** NM\_172311  
**Insert Size:** 5000 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_172311.1, NP_758515.1</u>
<b>RefSeq Size:</b>	3824 bp
<b>RefSeq ORF:</b>	3549 bp
<b>Locus ID:</b>	286749
<b>Cytogenetics:</b>	2p16.3
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>