

Product datasheet for **SC115823**

STON1 (NM_006873) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STON1 (NM_006873) Human Untagged Clone
Tag:	Tag Free
Symbol:	STON1
Synonyms:	SALF; SBLF; STN1; STNB1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_006873, the custom clone sequence may differ by one or more nucleotides

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ATGTGCTCCACAAATCCAGGCAATGGGTACCTTTGATGATGATCCTGCTGTTCAATCTTCTCAAAGT
CAAAGAATTTTCTCTGAGAAATCAAGGTGTCTGTAGACCAAATGGACTGAAGCTGAACCTTCTGGCCT
CAGGGAATTTCCAGTGGATCTTCTCCACCAGCAGCACTCCTCTCCTCCCCATTGTAGATTTTAT
TTCAGTCCAGGACCTCCAAGTAACTCTCCTTTTCTACACCTACCAAAGACTTCCCAGGTTTTCTGGCA
TCCCCAAAGCAGGGACTCATGTGCTTTATCCTATTCCAGAATCATCTTCAGACAGCCCACTCGCAATATC
AGGAGGAGAATCTTCTTACTGCCTACCAGACCAACATGTTTATCCCATGCCTTGTACCCAGTGACCAC
TCATGTACACATCCAACCTCCAAAGTAGGTCTTCCAGATGAAGTTAATCCTCAACAGGCTGAAAGCCTAG
GATTCCAAAGTGATGATCTCCCCAGTTTCAGTATTTTCGAGAGGACTGTGCTTTTTCAAGTCCATTTTG
GAAAGATGAAGGCAGTGATTCCCATTTCCACCTTGACCCACCAGGAAGCAAAAAGATGTTCTCATCAAGA
AACAGGAGATGCCTATTGACCAAAAAAGCCTAAATAAGTGTTCCTCAACTATATCTGTGAGAAGCTTG
AACATCTCCAGTCAGCTGAGAACCAAGACTCACTTAGAAGTTTGTCTATGCACTGTCTATGTGCTGAAGA
AAATGCCTCTTCTTTGCCCCACACACTCTTCCAGGAGTCAGCCAAAATCCGGATGGTCTTTCATGCTG
AGAATTCCTGAGAAGAAGAAATATGATGTCTTCCGGCAATGGGGACCAATTTTTCTGAAAGTTTTGCCTG
GAGGAATTTTGAGATGTATTATGAACAGGGATTAGAAAAACATTTAAAGAGATACAGCTTGATCCATA
TTGTAGGCTTTCTGAACCAAGGTTGAGAACTTCAAGTGTAGCAGGAAAAATCCCACTGTGAAGATTGAA
CATGTGCTTACACAGAAAAAGGAAATACCATCTAAGACAGAAGTAGTTTATGAACCTGACATAGAGC
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GATGAAGTTGCCAGCTGTTTCAAACCAAAAAAGAACTACGAGGAGCAAGAAATTTCTTGGAAATTTTG
GACAACTTTTGGGTAAAGTCAAAAAGAAAGAAATTTGTTGAAAGTGTGTGATAACTCAAATTTATT
GCCTCTGCTTTTGAATGGGAACCTGGAATGCTTTTTAACTTGAATGACCTTGAGTTGCCGAAGCGAGA
TGAATCCTATTATGAGAAGGACTCAGAAAAAGGGATTGATATTCTTACTACCATTTTCATAAGTGT
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GGGAGCATACGTGGAACCTCAGGCTTTTGTCAACATGGCCTCATTGGCGCAGAGGTCATCCTATGCTGGT
TCCTTAAGGTCTGTGACAATAAAGGATACACTTTCTGTCCCATCGCAGTGGTCAAGGCCCTTTGGA
CCATGAACCTCCAGAGGCAGAAGTCTCTGAAAGCTAAAATGAACCGCCGAGCATGTCTGGGAGTTTACA
GGAACCTGAATCTGAACCTGTCAATCAAGTCACTGTGGGGTCAAGCAAAATATGAGAGTGCCTACCAGGCA
GTGGTATGGAAGATAGATCGGCTTCCAGACAAAATCAAGTCTAGATCATCCCCATTGTCTGTCATACA
AATTAGAGCTTGGATCAGACCAAGAAATTCCTCTGATTGGTATCCATTTGCTACTGTTCAGTTTTCCGT
GCCTGACACCTGTGCCTCAAGGACAGAGGTCAGGCTCTCTGGGAGTGGAGAGTGTGTCCAGCCACAGAAA
CATGTTCAAGCAGCGAGCTTGCTACAACATCCAGGTTGAAATAGAAAAGAAGTGGATTAATTCGATGGAG
AAGACCCAGATAAAATTTGGTGACTGCATAACTCAGTAG
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006873 unedited
CCGCGAATTCGGCACCAGCAACCGCGCTGCCGAGTCAACCTATTTGATTTCTTGACAAGA
CCACAATCTGATCCCAAAGATGTGCTCCACAAATCCAGGCAATGGGTACCTTTGATGA
TGATCCTGCTGTTCAATCTTCTCAAAGTCAAAGAATTTTCTCTGGAGAATCAAGGTGT
CTGTAGACCAAATGGACTGAAGCTGAACCTTCTGGCCTCAGGGAATTTCCAGTGGATC
TTCTCCACCAGCAGCACTCCTCTCCTCCCCATTGTAGATTTTTATTTTCAGTCCAGG
ACCTCCAAGTAACTCTCCTTTTCTACACCTACCAAAGACTTCCCAGTTTTCTGGCAT
CCCCAAAGCAGGGACTCATGTGCTTTATCCTATTCCAGAATCATCTTCAGACAGCCCACT
CGCAATATCAGGAGGAGAATCTTCTTACTGCCTACCAGACCAACATGTTTATCCCATGC
CTTGTTACCCAGTGACCACTCATGTACACATCCAACCTCCAAAGTAGGTCTTCCAGATGA
AGTTAATCCTCAACAGGCTGAAAGCCTAGGATTCCAAAGTGTATGATCTCCCCAGTTTCA
GTATTTTCGAGAGGACTGTGCTTTTTCAAGTCCATTTTGGAAAGATGAAGGCAGTGATTC
CCATTTCAACCTTGACCCACCAGGAAGCANAAAGATGTTCTCATCAAGAAACAAGGAGAT
GCT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006873 unedited GACTCTGGAACCGCGGCACGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTAGT TTGAAATACATTTTTAATTTTTTCGAAAAATCAATATGTAATCTACAAAATATTTTGTTAC ATGATTAAGGCTCAACCTGTCTTATATTTGCATTGACAGAATACAAAAGTATTTTAAG TAAGACATTATAATAGTCATTGTTAAGGAAGTCCTTCTAACTGACTTTATAAGAAAAGGG GCTGTATCACAAGCATAGCTCTGGAATGAAGGAACTAACATCCTAGAACTGTCTAATAT ATACATCAGTTGTAATAATCCAGCCTTTATTTATGTGCTGGAAGTATCTTTTTTACAT ATCTTTTTTTAGTGGATAAACTCTTGTGATTCCACAGAAAAAGGAAATGTTCTTAAATT CAGATCTGCACAAATCATCTACCCATGAATTCATTTACACAGTTAATATGATCCTGTAAC TGGAAAGGTGACCACACTAGTCACAAAAGTCAACTCCTTGGAAAGTCTGCTCATTTGAC TCCAAAATGGCCAAACTCACAATGGAGCGATCTAAGCAAATGAATGCTAAAAAGGAATA CTTCTACCTCATTCTTTCCCTTCCCGCTTCCCTTCCCTCAAACCCACGCCCTTCTCA AACATCATTATATCGCGCAGCGCCATCTCCTACCTAACCCAGATCCCCTACCTGTATCTTC CACCTATTAAGCTACCTATATCCGTCGTGACCTTTCTCTGCACATTCCCATTACATAAA TATTTTATAAACCACTTTCTTTCATTACACACCGTATCCACATTTACGCTCCCGCTCCC ACCTCCTATCACCGCCCCCAACGCTTTCCCTCGTATCGACCTCTCCTCTCGACCCAC CCTCACCGCTCTCGCTCCTGTTCTCAGACTCTTACGCCCCCATAGTCATCCTTCTCTCC NCATTTATCTGCTCTCTCTCTCTCCCTTACCTCTCTCTCACCA
Restriction Sites:	NotI-NotI
ACCN:	NM_006873
Insert Size:	6400 bp
OTI Disclaimer:	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).
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:	<ol style="list-style-type: none"> 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_006873.2 , NP_006864.2
RefSeq Size:	5822 bp
RefSeq ORF:	2208 bp
Locus ID:	11037
UniProt ID:	Q9Y6Q2
Cytogenetics:	2p16.3
Domains:	Adap_comp_sub

Protein Families: Transcription Factors

Protein Pathways: Basal transcription factors

Gene Summary: Endocytosis of cell surface proteins is mediated by a complex molecular machinery that assembles on the inner surface of the plasma membrane. This gene encodes one of two human homologs of the *Drosophila melanogaster* stoned B protein. This protein is related to components of the endocytic machinery and exhibits a modular structure consisting of an N-terminal proline-rich domain, a central region of homology specific to the human stoned B-like proteins, and a C-terminal region homologous to the mu subunits of adaptor protein (AP) complexes. Read-through transcription of this gene into the neighboring downstream gene, which encodes TFIIA-alpha/beta-like factor, generates a transcript (SALF), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2010]
Transcript Variant: This variant (2) lacks an alternate exon in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.