

Product datasheet for **SC329466**

STON1 (NM_001198595) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STON1 (NM_001198595) Human Untagged Clone
Tag:	Tag Free
Symbol:	STON1
Synonyms:	SALF; SBLF; STN1; STNB1
Vector:	pCMV6-Entry (PS100001)

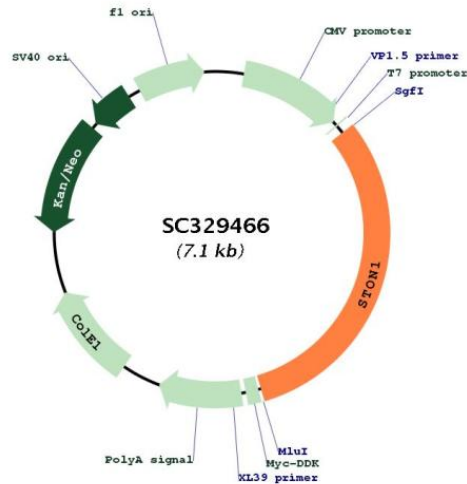


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Fully Sequenced ORF: >SC329466 representing NM_001198595.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTGCTCCACAAATCCAGGCAAATGGGTCACCTTTGATGATGATCCTGCTGTTCAATCTTCTCAAAG
TCAAAGAATTTTCCTCTGGAGAATCAAGGTGCTGTAGACCAAATGGACTGAAGCTGAACCTTCCTGGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001198595

Insert Size: 2208 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:

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_001198595.1](#)

RefSeq Size: 5651 bp

RefSeq ORF: 2208 bp

Locus ID: 11037

UniProt ID: [Q9Y6Q2](#)

Cytogenetics: 2p16.3

Protein Families: Transcription Factors

Protein Pathways: Basal transcription factors

MW: 83.1 kDa

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 (1) represents the longer transcript. 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.