

Product datasheet for **SC338128**

SON (NM_001291411) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SON (NM_001291411) Human Untagged Clone
Tag:	Tag Free
Symbol:	SON
Synonyms:	BASS1; C21orf50; DBP-5; NREBP; SON3; TOKIMS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291411, the custom clone sequence may differ by one or more nucleotides

```
ATGGCGACCAACATCGAGCAGATTTTTAGGTCTTTCGTGGTCAGTAAATCCGGGAAATCAACAGGAGC
TTTCCAGTGGAAGGAATGAAGGCCAGCTGAATGGTGAAACAAATACACCCATTGAAGGAAACCAGGCGGG
TGATGCAGCTGCCTCTGCCAGGAGTCTACCAAATGAAGAAATAGTGCAGAAGATAGAGGAAAGTACTTTCT
GGGGTCTTAGATACAGAACTACGATATAAGCCAGACTTGAAGAGGGCTCCAGAAAAAGTAGATGCGTAT
CTGTACAAACAGATCCTACTGATGAAATCCCCTAAAAAGTCAAAGAAGCATAAAAAGCACAAAAACAA
AAAGAAGAAAAAGAAAGAAAAAGAAAAAATAAAAAGACAGCCAGAAGAATCTGAGTCAAAGACG
AAATCTCATGATGATGGGAACATAGATTTAGAATCTGATTCCTTTTTAAAGTTTGATTCTGAACCTTCAG
CTGTGGCGCTGGAGCTTCTACAAGAGCATTGGCCCATCTGAGACCAATGAATCCCTGCAGTTGTGCT
AGAACCTCCTGTAGTATCAATGGAGGTATCAGAGCCACACATCTTAGAACTCTGAAGCCAGCTACAAAA
ACTGCAGAACTGTGAGTTGTATCTACATCAGTAATCTCAGAGCAGTCAGAGCAGTCTGTGGCAGTAATGC
CAGAACCATCCATGACAAAGATTCTGGATTCTTTGCAGCAGCACCAGTGCCTACTACAACACTGGTGT
GAAGTCATCTGAGCCAGTTGTAACAATGTCAGTGGAGTATCAGATGAAGTCTGTGCTGAAATCTGTGGAG
AGCACATCTCCAGAGCCATCAAAGATCATGTTGGTAGAGCCCCAGTAGCAAAAGTGTAGAGCCTTCAG
AAACCTTGTGGTATCATCAGAGACACCTACTGAGGTGTACCTGAGCCAAGCACATCAACAACAATGGA
TTTTCCAGAGTCATCTGCAATTGAAGCGTAAGATTGCCAGAGCAGCCTGTAGACGTACCATCGGAGAT
GCAGATTCATCCATGACAAGACCGCAGGAGTTGCCGGAGCTGCCTAAGACCACAGCGTTGGAGCTGCAGG
AGTCGTCGGTGGCCTCAGCGATGGAGTTGCCGGGGCCACCTGCGACCTCCATGCCGGAGTTGCAGGGGCC
CCCTGTGACTCCAGTGTGGAGTTACCTGGGCCCTCTGCTACCCCGTGCAGAGTTGCCAGGGCCCTT
TCTACCCAGTGCCTGAGTTGCCAGGGCCCTGCGACAGCAGTGCCTGAGTTGCCAGGGCCCTCTGTGA
CACCAGTGCCACAGTTGTCGAGGAATTGCCAGGGCTTCCAGCACCATCCATGGGTTGGAGCCACCACA
GGAGGTACCAGAGCCACCTGTGATGGCACAGGAGTTGCCAGGGCTGCCTTTGGTGACAGCAGCAGTAGAG
TTGCCAGAGCAGCTGCGGTAACAGTAGCAATGGAGTTGACCGAACAACCTGTGACGACGACAGAGTTGG
AGCAGCCTGTGGGATGACAACGGTGAACATCCTGGGCATCCTGAGGTGACAACGGCAACAGGGTTGCT
```



[View online »](#)

GGGGCAGCCTGAGGCAACGATGGTGTGGAGTTGCCAGGACAGCCAGTGGCAACGACAGCGCTGGAGTTG
CCGGGGCAGCCTTCGGTGACTGGGGTGCCAGAGTTGCCAGGGCTGCCTTCGGCAACTAGGGCACTGGAGT
TGTCGGGGCAGCCTGTGGCAACTGGGGCACTAGAGTTGCCTGGGCCGCTCATGGCAGCTGGGGCACTGGA
GTTCTCGGGCAGTCTGGGGCAGCTGGAGCACTGGAGCTTTTGGGGCAGCCTCTGGCAACAGGGGTGCTG
GAGTTGCCAGGGCAGCCTGGGGGCCAGAGTTGCCTGGGCAGCCTGTGGCAACTGTGGCGCTGGAGATCT
CTGTTCACTGTGGTGACAACATCGGAGCTGTCAACGATGACCGTGTGCGAGTCCCTGGAGGTGCCCTC
GACGACGCGCTGGAATCCTATAATACGGTAGCACAGGAGCTGCCTACTACATTAGTGGGGGAGACTTCT
GTAAACAGTAGGAGTGGATCCCTTGATGGCCCCAGAATCCCATATATTAGCTTCTAACACCATGGAGACCC
ATATATTAGCATCCAACACCATGGACTCCCAAATGCTAGCGTCCAACACCATGGACTCCCAGATGTAGC
ATCCAACACCATGGACTCCCAGATGTTAGCGTCTAGCACCATGGACTCCCAGATGTTAGCAACTAGCTCC
ATGGACTCCCAGATGTTAGCAACTAGCTCCATGGACTCCCAGATGTTAGCAACTAGCACTATGGACTCCC
AGATGTTAGCAACCAGTCCATGGACTCCCAGATGTTAGCAACCAGCTCCATGGACTCCCAGATGTTAGC
AACCAGCTCCATGGACTCCCAGATGTTAGCAACCAGCTCCATGGACTCCCAGATGTTAGCAACCAGCACC
ATGGATTCTCAGATGTTAGCAACCAGCACCATGGACTCCCAGATGTTAGCAACTAGCTCAATGGATTCCC
AGATGTTAGCATCTGGCACTATGGACTCTCAAATGTTAGCTTCTGGCACCATGGATGCTCAGATGTTAGC
GCTGGTACCATGGATGCCAGATGTTAGCGTCTAGTACCCAAGATTCTGCTATGTTGGGTTCAAATCT
CCTGATCCCTATAGGTTAGCTCAGGATCCTTACAGGTTAGCTCAGGATCCCTATAGGTTGGGCCATGACC
CCTATAGATTAGGTCATGATGCTTACAGGTTAGGACAAGACCCTTATAGATTAGGCCATGATCCCTACAG
ACTAACTCCTGATCCCTATAGGATGTCACCTAGACCCTACAGGATAGCACCAGGTCCTATAGAATAGCA
CCCAGGCCATATAGGTTAGCACCTAGACCCTGATGTTAGCATCTAGACGTTCTATGATGATGTCCTATG
CTGCAGAACGTTCCATGATGTCATCTTACGAACGCTCTATGATGTCTTATGAGCGGTCTATGATGTCCTC
TATGGCTGAACGCTCTATGATGTCAGCTTATGAACGCTCCATGATGTCAGCTTATGAACGCTCCCA
TGATGTCCTCAATGGCTGATCGATCTATGATGTCATGGGTGCTGACCGTCTATGATGTCGTCATCTC
TGCTGCTGACCGTCTATGATGTCATCGTACTCTGCAGCTGACCGATCTATGATGTCATCTTATACTGCT
GATCGTTCAATGATGTCATGGCTGCTGATTCTTACACCGATTCTTACACTGACACATATACAGAGGCAT
ATATGGTGCCACCTTTCCTCCTGAAGAGCCCCAACAAATGCCACCGTTGCCACCTGAGGAGCCACCAAT
GACACCACCTTGCCTCCTGAGGAACCACCAGAGGGTCCAGCATTGCCCACTGAGCAGTCAGCATTAAACA
GCTGAAAATACTTGGCTACAGAGGTGCCATCATTACCATCTGAAGAGTCTGTATCGCAGCCTGAGCCTC
CTGTGAGTCAAAGTGAGATTTCCGAGCCTTCCAGCAGTGCCTACTGATTATTCAGTGTGAGCATCAGATCC
CTCAGTTTTAGTATCAGAGGCTGCTGTGACTGTTCCAGAACCACCACCAGAGCCAGAATCTCAATTACG
TTAACACCTGTAGAGTCTGCAGTAGTAGCAGAAGAACATGAAGTTGTTCCAGAGAGACCAGTGCATTGTA
TGGTATCTGAAACTCCC GCCATGTCAGCTGAACCAACTGTGTTAGCATCAGAGCCTCCTGTTATGTCAGA
GACAGCAGAAACATTTGATTCCATGAGAGCCTCAGGACATGTTGCCTCAGAAGTATCTACATCCTTGTTG
GTTCCAGCAGTAACTACTCCAGTGTGGCAGAGAGCATTCTGGAGCCGCCAGCCATGGCTGCCCCAGAGT
CTTCAGCTATGGCTGCTCCTGGAGTCTTCGGCTGTGACCGTCTGGAGTCTTCGACTGTGACTGTCCTGGA
GTCTTCGACTGTAAGTGTCTGGAGCCTTCGGTGTGACTGTCCCGAGCCTCCTGTTGTGGCTGAGCCA
GACTATGTTACCATTCTGTGCCAGTGTCTGCGCTGGAGCCTTCTGTGCCTGTTCTGGAACCCAGCGG
TGTGAGTCTTCAACCTCTATGATTGTTTCCAGAACCATCTGTTTCTGTCCAGGAATCGACTGTGACAGT
TTCAGAGCCTGCTGTACAGTCTCAGAGCAGACTCAAGTAAATACCAACTGAGGTGGCTATAGAGTCCACA
CCAATGATACTGGAATCTAGTATCATGTATCAGTATGTTATGAAAGGAATTAATCTATCCTCTGGTGATC
AAAATCTGCTCCAGAGATTGGCATGCAGGAGATTGCATTGCATTGAGGTGAAGAACCACATGCTGAGGA
ACACCTGAAAGGTGACTTTTACGAAAGTGAACATGGTATAAATATAGACCTTAATATAAATAATCATTTA
ATTGCTAAAGAGATGGAACATAACAGTGTGTGCTGCTGGTACTAGTCTGTTGGGGAAATTTGGTGAAG
AGAAAAATTTGCCACCAGTGGAGTAAACAGCGCACAGTATTGGATACCTACCCTGGTGTAGTGAAGC
TGATGCAGGAGAACTCTATCTTACTGCTCTTTTGGCTGCTGGAACCTGATGCAACAGGAACTAGTAAG
GGTATTGAATTTACCACAGCATCTACTCTCAGTTTGTAAATAATATGATGTTGATTTATCTTTAACTA
CTCAAGATACTGAACATGACATGTAATTTCCACCAGTCTAGTGGTGGTGTGAAAGCTGACATTGAAGG
GCCTTTGCCTGCTAAAGATATTCATCTTGTATTTACCATCTAATAATAACCTTGTAGTAAGGATACAGAA
GAACCTTACCTGTAAGAGAGAGTACCAGACATTAGCAGCTCTGCTCAGCCCTAAAGAAAGTAGTGGAG
GAGAAAAAGAAAGTACCTCCCCCTCTAAAGAGACACTGCCTGATTGAGGATTTCTGCCAATATTGAGGA
TATTAATGAAGCAGATTTAGTGAGACCGTTACTTCTAAGGACATGGAACGCTTACAAGCCTTAGAGCT

```
GGCATTGAAGGACCTTTACTTGCAAGTGATGTTGGACGTGACAGATCTGCTGCCAGCCCGTTGTAAGTA
GTATGCCAGAAAGAGCTTCAGAGTCTTCTTCAGAGGAAAAAGATGATTATGAAATTTTTGTAAGTTAA
GGCACTCACGAAAAAGCAAGAAAAAAGAACCCTGATAAGGGGGAGAAAGAGAAAGAAAGAGACTCT
TCATTAAGATCTCGAAGTAAGCGTTCCAAATCTTCTGAACACAAATCACGCAAGCGTACCAGTGAATCTC
GTTCTAGGGCAAGAAAGAGATCATCTAAGTCCAAGTCTCATCGCTCTCAGACACGTTACCGGTACGTTCC
AAGACGCAGGAGGAGAAGCAGCAGATCAAGATCAAAGTCTAGAGGAAGAAGATCTGTATCAAAAGAGAAG
CGCAAAAGATCTCCAAGCACAGATCCAAGTCTAGGAAAGAAAAAGAAAAAGATCAAGCTCCAGGGATA
ACCGAAAGACAGTTAGAGCTCGAAGTCGAACCCCAAGTCGTCGGAGTCGGAGTCATACTCCAAGTCGTCG
ACGAAGGTCTAGATCTGTGGGTAGAAGAAGGAGCTTTAGCATTTCCCAAGCCGCGCAGCCGCACCCCC
AGCCGCGCAGCCGCACCCCCAGCCGCGCAGCCGCACCCCCAGCCGCGCAGCCGCACCCCCAGCCGCGC
GGAGCCGCACCCCTAGCCGTCGGAGCCGCACCCCAAGCCGCGGAGAAGATCAAGGTCTGTGGTAAGAAG
ACGAAGCTTCAGTATCTCACCAGTCAGATTAAGGCGATCAAGAACCCTTAAGAAGAAGGTTTAGCAGA
TCTCCATCCGTCGTAAGATCCAGGTTCTTGAACGAGGCAGATCACCCAAACGTCTGACAGATTTGG
ATAAGGCTCAATTAAGTAAAGTAAAGCTAATGCAGTGCCATGTGTGCTAAGGCTGGTGTCCCTTT
ACCACCAACCTAAAGCCTGCACCTCCACCTACTATAGAAGAGAAAGTTGCTAAAAAGTCAGGAGGAGCT
ACTATAGAAGAACTAAGTACTGAGTTTAG
```

Restriction Sites: SgfI-MluI

ACCN: NM_001291411

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_001291411.1](#), [NP_001278340.1](#)

RefSeq Size: 7903 bp

RefSeq ORF: 6327 bp

Locus ID: 6651

UniProt ID: [P18583](#)

Cytogenetics: 21q22.11

Gene Summary:

This gene encodes a protein that contains multiple simple repeats. The encoded protein binds RNA and promotes pre-mRNA splicing, particularly of transcripts with poor splice sites. The protein also recognizes a specific DNA sequence found in the human hepatitis B virus (HBV) and represses HBV core promoter activity. There is a pseudogene for this gene on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (e) lacks multiple 3' coding exons and contains an alternate 3' exon, resulting in a distinct 3' coding region and 3' UTR, compared to variant f. It encodes isoform E which is shorter and has a distinct C-terminus, compared to isoform F.