

Product datasheet for **SC305560**

STON2 (NM_033104) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STON2 (NM_033104) Human Untagged Clone
Tag:	Tag Free
Symbol:	STON2
Synonyms:	STN2; STNB; STNB2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_033104 edited
 ATGACGACTTTGGACCATGTGATTGCCACCCACCAGTCAGAATGGGTCTCCTTCAATGAA
 GAGCCACCCTTTCTGCCACTCGCAGGGGGGCACGGAAGAGCACCTCCCAGGACTGTCA
 TCTTCCCAGACCAGTCCGAGAGCTCCTCCGGGGAGAACCATGTGGTGGATGGAGGCTCT
 CAAGACCATTCCCCTCGGAGCAGGATGACTCCTCTGAAAAGATGGGCCTCATCTCTGAA
 GCAGCTTCCCACCTGGGAGCCCTGAGCAGCCCCACCTGACCTGGCCTCGGCCATCAGC
 AACTGGGTTTCAGTTTGAAGATGACACACCCTGGGCCAGCACATCTCCACCTCATCAGGAA
 ACAGCTGAGACGCCCTACCATTGACCATTGCCCTGCTGGACATGCCCTTCCTTTGACTCC
 CTGGGGAGATGCCCTCTGACTTCTGAGAGCAGCTGGACCACCCATTCTGAAGACACCAGC
 AGTCTAGCTTTGGATGTTTTCGTATACAGATCTGCAGCTCATCAATGCTGAGGAGCAGACG
 AGTGGCCAGGCTTCTGGGGCTGACTCAACTGACAATTCCTCCTCGCTTCAAGAAGATGAA
 GAAGTAGAGATGGAGGCCATCAGCTGGCAGGCCAGCAGTCCAGCCATGAATGGGCACCCT
 GCCCTCCAGTGACCTCTGCTCGTTTTCCAGCTGGGTACCTTTGATGACAATGAAGTC
 AGCTGCCCTTTACCACCAGTACCTCTCCTCTGAAGCCAATACACCACCAAGTGCATCT
 GTGATCCCAGATGTACCTTATAATTCAATGGGATCATTTAAGAAGAGGGACCGTCCCAAG
 AGCACTTTGATGAACTTCTCCAAAGTTCAGAAGCTGGATATTTCTCTTTAAACCGCAGC
 CCTTCTGTAACCTGAGGCTTACCTTGGAGGGCAACCAACCCTTTCTGAATGAGACTCTG
 CAGGATGTACAGCCCTCCCTATCAACCCTTTCAGTGCTTTCTTTGAGGAGCAGGAGAGG
 CGCTCCCAAAACAGTTCATTTCCAGTACCACGGGCAAAAGCCAAAGAGATTCCTCATT
 GTCATCTACCAGGATGCCATCAGTTTTGATGATTCAAGCAAAACCCAGTCACTCTGAT
 GCTGTTGAAAACTCAAACTCCAAATTGATGACCCTGATCACTTTGGCAGTGCAACT
 CTACCTGATGATGACCCAGTACCTGGATTGAACTAGATGCTCACCCGCCTGGATCAGCA
 CGGTCCCAGCCTCGTGACGGGTGGCCAATGATGTTGAGGATCCCTGAGAAGAAAAACATC
 ATGTCCTCCAGGCACTGGGGACCGATCTTCGTCAAACCTGACAGACTGGTTACCTGCAG
 CTGTATTATGAGCAGGGCCTAGAAAAACCTTCCGTGAGTTCAAGCTGGAGATCTGTCAT
 GAGATTTCAGAACCCCGCTTCAAACTATGATGAGAATGGCAGAATCCACAGCTTGCAG
 ATAGACCGTGTACCTATAAAGAGAAGAAGAAATACCAGCCAAACCTGCTGTGGCCAC
 ACAGCAGAGAGGGAACAGGTGATTAAGCTGGGCACCACCAATTACGATGACTTCTGAGT
 TTCATCCATGCAGTTCAGGACCGTCTCATGGATCTGCCAGTGTGTCATGGACTTGAGC
 ACAGTTGGCCTCAACTACCTTGAAGAGGAGATTACAGTGGATGTCAGAGATGAATTTCT
 GGCATTGTGAGCAAGGAGACAACCAGATTCTCCAGCACCATGTCTTGACACGGATCCAC
 ATCCTGAGTTTCTGTCTGGGCTCGCAGAGTGCCGCTGGGCCTCAATGACATCCTCGTC
 AAAGGGAATGAAATAGTTTTGAGGCAGGACATCATGCCACCACCACCAAAAGTGGATC
 AAGCTCCATGAGTGCCGTTTCCATGGGTGTGTGGATGAGGATGTTTTCCACAACCTCACGG
 GTCATTCTGTTCAACCCTTTGGATGCGTGCCGTTTGGAGCTAATGCGGTTCCAGGACAGTG
 TTTGCTGAGAAGACCTTGCTTTTCACTCAGGACGGCCACAAGTGTCAATGGGGCAGAG
 GTGGAGGTGCAGAGCTGGCTGAGGATGTCAACTGGCTTCTCCGCAATCGTGACCCCTC
 ACTCAGGTTCCCTGTGAGAATGTGATGATCCGTTACCCTGTGCCAGTGAAGTGGGTGAAA
 AACTCCGCAGGGAAAGTGCCTGGGGGAAAAGTCTTTGAAAGCCAAAGTGAACCGGGGG
 GCAAGTTTTGGCTCCACTAGTGTCTTGCTCTGAGCCTGTGAGAGTAACTCTGGGA
 ACTGCCAAGTACGAGCATGCCTTCAACTCCATTGTGTGGAGGATAAACCAGTGCCTGGAC
 AAAAACTCAGCTTCCGGTCAACCACTGTTTCTTTTGGCACCTTGAACCTCGGCTCTGAC
 CGGGAAGTGCCTTCCAGATTTGCCAATCACGTGAATGTCGAGTTCAGCATGCCACAACCT
 TCTGCCTCCAAGCCAGCGTGAGATCTATCTGTAGAAGACAAGACTGACGTCAGGAAG
 TGGGTCAATTATTCTGCACACTACAGTACCAGGTAGCCTTGGGAAGCATCTGGCTAATG
 CTTCCAACCTCCATTTGTTCAACCCACTACCCTCCCCTCTATTCTTTTAGCCATGCTT
 ACTATGTTGCGCTGGTAA

Restriction Sites: Please inquire

ACCN: NM_033104

Insert Size: 2700 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_033104.2</u> , <u>NP_149095.2</u>
RefSeq Size:	2919 bp
RefSeq ORF:	2718 bp
Locus ID:	85439
UniProt ID:	<u>Q8WXE9</u>
Cytogenetics:	14q31.1
Gene Summary:	<p>This gene encodes a protein which is a membrane protein involved in regulating endocytotic complexes. The protein product is described as one of the clathrin-associated sorting proteins, adaptor molecules which ensure specific proteins are internalized. The encoded protein has also been shown to participate in synaptic vesicle recycling through interaction with synaptotagmin 1 required for neurotransmission. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the shorter protein (isoform 1).</p>