

Product datasheet for **SC320354**

SESN2 (NM_031459) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SESN2 (NM_031459) Human Untagged Clone
Tag:	Tag Free
Symbol:	SESN2
Synonyms:	HI95; SES2; SEST2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_031459.3
 GTTCCGCGGGCGGGATGCTGAGGAGCGCTGGGTCCGGGAGCAGCCCTGGCCCTGCGGAC
 TTCCGAGGCCGTGAAAACCCCTGCGCTGCGGCCCTTCCAGGCCCCCGAGGCCTGTTCCG
 CGTTCCCGAAGCCCGACTGGGGGAAGAGTCCAGCACAAAGCGGCCGTTCTCGGATTCCG
 GAGCGTCTGGAGCCCCGAGAGACGCCCGGGTCTAGAAGTCCCCGGCGGCCCCAG
 TCCCGGCTTCATTCGGGCGTCCCTCCGAAACCCACTCGGGTGCACGGGTGTCGGCGAGC
 CGCGACCGGGTCTGGCGGCACCATGATCGTGGCGGACTCCGAGTGCCGCGCAGAGCTC
 AAGGACTACCTGCGGTTGCCCCGGGCGCGTCCGCGACTCGGGCCCCGAGAGGAGCAG
 AGGGAGAGCCGGGCTCGGCGAGGCCCTCGAGGGCCAGCGCCTTCATCCCGTGGAGGAG
 GTCCTTCGGGAGGGGGCTGAGAGCCTCGAGCAGCACCTGGGGCTGGAGGCACTGATGTCC
 TCTGGGCGAGTAGACAACCTGGCAGTGGTATGGGCTGCACCCTGACTACTTTACCAGC
 TTCTGGCGCTGCACTACCTGCTGCTGCACACGGATGGTCCCTTGGCCAGCTCCTGGCGC
 CACTACATTGCCATCATGGCTGCCGCCGCCATCAGTGTCTTACCTGGTAGGCTCCCAC
 ATGGCCGAGTTTCTGCAGACTGGTGGTACCCTGAGTGGCTGCTGGGCCCTCCACCGGGCC
 CCCGAGAAGTGCCAAACCTCAGCGAGATCAACAAGTTGCTGGCGCATCGGCCATGGCTC
 ATACCAAGGAACACATCCAGGCCCTTGCTGAAGACCGGCGAGCACAATTGGTCCCTGGCC
 GAGCTCATTAGGCTCTGGTCTGCTCACCCACTGCCACTCGCTCTCTCTCTCGTGT
 GGCTGTGGCATCCTCCCTGAGGGGGATGCAGATGGCAGCCCTGCCCCAGGCACCTACA
 CCCCTAGTGAACAGAGCAGCCCCCAAGCAGGGACCCGTTGAACAACCTGAGGGGCTTT
 GAGTCTGCCCCGACGTGGAGGGCTGATGGAGCGCATGCAGCAGCTGCAGGAGAGCCTG
 CTGCGGGATGAGGGGACGTCCCAGGAGGAGATGGAGAGCCGCTTTGAGCTGGAGAAGTCA
 GAGAGCTGCTGGTGACCCCTCAGCTGACATCCTGGAGCCCTTCCACACCCAGACATG
 CTGTGCTTTGTGGAAGACCTACTTTTCGATATGAGGACTTCACTCGGAGAGGGGCTCAG
 GCACCCCTACCTTCGGGCGCCAGGATTATACCTGGGAAGACCATGGCTACTCGCTGATC
 CAGCGGCTTTACCTGAGGGTGGCAGCTGCTGGATGAGAAGTCCAGGCGCCTATAGC
 CTCACCTACAATACCATCGCCATGCACAGTGGTGTGGACACCTCCGTGCTCCGAGGGCC
 ATCTGGAATAATCCACTGCGTCTTTGGCATCAGATATGATGACTATGATTATGGGGAG
 GTGAACCAGTCTGGAGCGGAACCTCAAGGTCTATATCAAGACAGTGGCCTGCTACCCA
 GAGAAGACCACCCGAAGAATGTACAACCTTTCTGGAGGCACTCCGCCACTCAGAGAAG
 GTCCACGTGAACCTGCTGCTCCTGGAGGCGCGCATGCAAGCCGCTCTGCTGTACGCCCTC
 CGTGCCATCACCCGCTACATGACCTGACTCCTGAGCAGGACCTGGGCCCGGTTCCAGTCC
 CCAAGGACTTCTCTGTCTGGAGACAGCCCCAGACCCTTTTGTGCCATGCCACCCT
 CCCCACGCTGCAGTGGGCTTGTGTGATGTGCAGTCCCGAAGCCACACCCTCCCTTTTC
 CTCACTGGAATGGACAGTTCATTGCACTGACTCTGGGATCTCAGCCCTGCTCCTGGGAGC
 TGGAAGAGCACTGGAGATCCTAAGGGACCACACCCTTCTCCTTCCCCTGCCACAGAG
 GCAGAGGGCACAGGAAAGAAGCCGGGCCAAGCTCGGAATTAATGTGCCACAAGTGTGTG
 GCCTTCTGAACTGGGAAGTCCCTGGCTGGCCCCGGGGAGAGGGGCAATGCCTCCGG
 GACTGACACTCCAGGCAGCTTTGCCTTCTCCTCCTGTCAATTCAGATTTTATTACCTC
 CTACTTGCATTACCCATCAATGTGAAAGTCAAGGTCACAGCTGGTCTGTGTGTCAGT
 TCCTAAAAGCCTGTTCTGTTGGCAGCCTGAGGCTGTTGCCCGAATCCTAGTTCAGTTT
 TTTGACTTCTTTGCCCTTTTCCCTTTTCTCCATGCTTAATGGTGTGAGGCGTCAGGAG
 AGAGGCCAAGTACATAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_031459

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:	NM_031459.3 , NP_113647.1
RefSeq Size:	3503 bp
RefSeq ORF:	1443 bp
Locus ID:	83667
UniProt ID:	P58004
Cytogenetics:	1p35.3
Domains:	PA26
Protein Pathways:	p53 signaling pathway
Gene Summary:	This gene encodes a member of the sestrin family of PA26-related proteins. The encoded protein may function in the regulation of cell growth and survival. This protein may be involved in cellular response to different stress conditions. [provided by RefSeq, Jul 2008]