

Product datasheet for **SC212558**

SESN1 (NM_014454) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SESN1 (NM_014454) Human 3' UTR Clone
Symbol:	SESN1
Synonyms:	PA26; SEST1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014454
Insert Size:	2000 bp



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Insert Sequence: >SC212558 3'UTR clone of NM_014454
 The sequence shown below is from the reference sequence of NM_014454. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGAGAGCCATTACCCGCTATATGACCTGATGCCTTTCCTTTCATTAAAGATGATTCTGGAATGATCAGC
AGATATAGTCTACAAGGGGAAGTACTAAGCCCCAGGACCAATGGTAGACAAAATAATTCAGAAATCC
ATTGTGCCATGATTCTTTAGTTTCTGCTATTTTTCTGTGGAAAACCACTGCTGGCACAAGCAGTGACT
GTTTGGCAGCTTCAAGTTTAGAGCTGTGAAGACAGGCTGCCATTCACAGTATTTTGCTTTTTGACAGTA
CAAGATGCTGTGTAAGTGTTTAATACAGCAAATAGTAACTCTCCAAATCCTGTTGCTTTTATGTTAAA
TAAGATAACAAGAATTGGAGCATGCAAAGAATGGGACTGGATAATGACTTAAGCTTTATATGTAAGA
ATTTTAGAAGATCTTGGTGTGCTATTCCTGCTGGAGGAATGAATAGATGGCTGTTTCAGTTAAGCTAT
TAGTAATAAAAGTGAACATTGCTACTATCTGAGCTACATACATAACTTGTGTGATTTCAAATTAAGT
TGCATTATGTGTTAATTTTCTTGATCTAAAAAGCATAGAATTCCTACTCACACAGCTCAGCAACAAC
CATTTTGATGGTAACAGTTAATTTCTTTTCATTAGTTTTTAAATTCAGGGTTCTGGATATTAATTTAAA
ATGGCATTCTAAAGATTTTCTTCAAAAAGCAATCCTAAATGAAAGTGTGTAATATAAGAAGCTGGC
GATCTTTTGATATGCTGTTTCACAGGATCCTGACACTGGAGGGCAGCTGTCTTGTGCATTACTTGTGTT
TCCAGCACCAAAGTTGTGGGACATGTTGCTGTAGACTGCTGCGCAGTCTGGGTGCATTCAGTCTCTCT
GCCTCTGCCTGCCTCCTGGTCCCCACTTTAAAGGCTGTGCAGCTCCTTAAATAATAAAGCTGGAAAAA
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AATATGTATTAAGTACTTTGTATTCTGGAAGCGTGAATGCTTTTGAAGTCTGTCAGTATTACTGGTAT
TTTTAAATAAAGAAGAATTTTTCTCAATTTTATTTGCTGTCTCAATCTTAAAAAATCATGACTTCA
CTATTAGTAATAATTTTGTGTTTCTATCTACTTTCATAAGCCAAGTACATTACACTTAAATGGCAAAA
CAACACTTGAAGCCATTTTGAACATACAAAGAGGAGTGGACTTTCTTTAGAATCTTATCTGAGACCAT
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AATTTTAAAGATTACTAAAAAGAAGGATTCATTAGGGAGAGACTACAGAACAAAAATGACACTCATCA
GACAAGTAGAAAATAGCTCTAAGTTTAACTGAAGCTGTTGTGATGATAACTCTGTTAGTTACTCTCAAA
ACATTTATTGAGCTCAATCTAGTGCCTGCCTACAATGTATGGGGTAGTGTGGAAGTAGGGGTTGGGAA
GGATCAATTTTGAACAGAGGTGGTACCTGCTCAAGGATATTTACTCTCATGAGAAGACAAGACTATA
ACCTTAGCTAGGAATAGAGTATTATTATCTTCAATATGTTTTATTTAAAGAACTTACTTATAAGTG
CATTACTCATTGAATATGCATCATGCCTTTGCTCTCTTCTGCCTGCTGCTGAGTTCTCTACCAGAGCA
ATACAATTGAACCCAAGAAGATAGTTAAAATTTTACTTATCCCATTTCTGCTCTTTGTTCTCTCTTTG
AAAATACAAAATTTCTAGTAGAGATTCTAATCAGCAGTAGAGTGATCACAAAACAAGATCAACTAGAAT
GCATTTAGTCCACTGGAACCTTATAATCACTTAGAAATTGAAATCAAAAATTTAATGAGTTAAAAATA
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_014454.3](#)

Summary:

This gene encodes a member of the sestrin family. Sestrins are induced by the p53 tumor suppressor protein and play a role in the cellular response to DNA damage and oxidative stress. The encoded protein mediates p53 inhibition of cell growth by activating AMP-activated protein kinase, which results in the inhibition of the mammalian target of rapamycin protein. The encoded protein also plays a critical role in antioxidant defense by regenerating overoxidized peroxiredoxins, and the expression of this gene is a potential marker for exposure to radiation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]

Locus ID:

27244

MW:

76.3