

## Product datasheet for **SC337747**

### SEN7 (NM\_001282801) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEN7 (NM_001282801) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEN7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001282801, the custom clone sequence may differ by one or more nucleotides

```

ATGGACAAGAAAAGCTCGGGCGACGGCCATCTTCATCCGAAATCATCACAGAAGGAAAAAGGAAAAAGT
CATCTTCTGATTTATCGGAGATAAGAAAAGATGTTAAATGCAAAACCAGAGGATGTCCATGTTCAATCACC
ACTGTCCAAATTCAGAAGCTCAGAACGCTGGACTCTCCCTTTGCAGTGGGAAAGAAGCCTAAGGAATAAA
GTCATCTCTCTAGACCATAAAAAATAAAAAACATATCCGAGGGTGTCTGTTACTTCCAAGTCATCACCAG
AAAGGATACCCAGAGTTATATTGACGAATGTCCTGGGAACGGAGTTAGGAAGAAAATACATAAGGACCCC
ACCTGTAAGTACGAGGAAAGTTTGTGATGATACAGACAACCTGCAATCAGAGCAACTTTCTTCATCATCTGAT
GGCAGCCTAGAATCTTATCAAAATCTAAACCTCACAAGAGCTGTTATTTATCTGAAAGGGGCTCACAAC
GAAGTAAGACAGTAGATGACAATCTGCAAGCAGACTGCGCACAATAAGAAAAACGAAGAAAGGATGA
TGGCATTCTCTTTAATATCTGATACTCAGCCTGAAGACCTAACAGTGGAAAGTAGAGTTGTGATCAT
CTCGAACAGGAAAGCAGAAACAAGGATGTTAAATATTCTGATTCAAAAGTGGAACTCACTCTGATTTCCA
GGAAGACAAAAGAGAAGGCTTAGAAATAATTTACCTGATTCTCAATATTGACTTCTTTGGATAAGTCAAC
AGAACAGACAAAAAACAGAAGATGACTCAACAATATCCACTGAGTTTAAAAAGCCAAGTGAAAACATAT
CATCAGGATCCAAAACCTGCCTGAAGAAATTACAACCTAAACCTACAAAAAGTGATTTTACTAACTATCCT
CACTTAACAGTCAGGAGTTGACTTTGAGTAATGCCACCAAAAGTGCCTCTGCCGGTTCAACCACTGAAAC
CGTTGAGAACTCTAATCCATTGATATTGTGGGGATTTCTCCCTGGTTGAGAAGGATGAGAATGAGTTG
AATACCATAGAAAAGCCTATTCTAAGAGGACATAATGAAGGGAACCAATCACTGATCTCAGCTGAACCAA
TTGTTGTTCCAGTGATGAAGAAGGACCTGTTGAACATAAAAGTTCAGAAATCTTAAGTTACAATCTAA
GCAAGACCGTGAGACAATAATGAAAATGAGAGTACTTCTGAATCAGCATTGTTAGAATACCATTGATT
ACATGTGAATCTGTACAGATGTCATCTGAATTAATGCCATATAATCCCTGTCATGGAGAACATTTCCAGTA
TTATGCCTAGTAATGAGATGGATCTACAACCTGGATTTTATATTTACTTCTGTTTATATTGGTAAAAATAAA
AGGAGCTTCTAAAGTTGTGTTACAATCACAAAAAATATATTAAGATCCCATTTCAAGTGTCCCTGAAT
GAGATTTCAATGCTAGTGGATACCACACATTTAAAGCGGTTTGGGTTATGGAAAAGTAAGGATGATAATC
ACAGTAAAAGGAGTCATGCTATTCTTTCTTCTGGGTCTCTTCAGATTATCTTCAAGAGATTCAGACCCA
ATTAGAACACTCTGTATTAAGCCAGCAATCAAAATCTAGTGAATTCATTTTCTTGAACACACAATCCT
GTTTCACAAAGAGAAGAATTGAAGCTGAAAGATATTATGACGGAAATAAGTATAATCAGTGGAGAATTAG
AGCTTTCTTACCCGTTGTCTTGGGTTCCAGGCATTTCTTTGTTTCAGAACCTCTCTTCAAAAGAAAGTTC
TTTTATTCAATTAATCTGTGTTCAACTGTTCTTTCCCTGCTGGTGTGCTGTTGCTGAAGAAATGAAG
CTGAAATCAGTATCTCAGCCCTCAACACAGATGCGGCCAAGCCTACTTACACCTTCTGCAGAAGCAAA
GTAGCGGTTGCTACTCCCTTTCTATTACATCTAATCCAGATGAAGAATGGCGAGAAGTCAGGCACACTGG
ACTTGTTCAGAAGTTGATTGTATATCCTCCACCACCTACTAAGGGGGGATTAGGAGTAACATAATGAAGAT
CTGGAGTGTTTAGAAGAAGGAGAGTTTCTTAATGATGTAATCATTGATTTTACCTTAAGTATCTTATAT
TGGAGAAGGCATCAGATGAACCTGTTGAACGAAGTCACATTTTATAGTAGCTTTTTCTATAAATGCTTGAC
AAGAAAGGAAAAAATTTAACAGAAGATAATCCAAATCTTTCAATGGCACAGAGAAGACATAAAAAGAGTA
AGAACATGGACTCGTCACATAAACATTTTAAATAAAGATTACATCTTTGTACCTGTAATGAGTCGTCCTC
ACTGGTATCTCGCAGTCATTTGTTTTCCATGGTTAGAAGAAGCTGTGTATGAAGATTTTCCAAAACCTGT
ATCCCAGCAGTCCCAGGCTCAGCAGTCCCAAAATGACAACAAAACAATAGATAATGATCTACGTACTACT
TCGACACTGTCTTTGAGTGCAGAGGATCCCAAGTACCGAGTCAATATGTCAGTACCAAGAAAATGT
GTAAAAGGCCATGATTCTTATACTAGACTCCTTGAAGCTGCTTCTGTACAAAACACAGTTCAGAAATTT
ACGAGAGTATTTAGAGGTAGAGTGGGAAGTTAAACTAAAACTCATCGTCAATTCAGCAAAACAAACATG
GTGGATCTATGCCCTAAAGTTCTTAAACAGGACAATAGCAGTGATTGTGGAGTATATTTATTGCAGTATG
TGGAAAGCTTCTCAAGGATCCTATTGTTAACTTTGAACCTCCAATTCATTTGGAGAAGTGGTTTCTCTCG
TCATGTAATAAAGACCAACGGGAAGATATTCGAGAGCTCATCTTGAACCTCATTACAGCAACAGAAG
GGCAGCAGTAGCTAG
    
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001282801

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001282801.1</a> , <a href="#">NP_001269730.1</a>
<b>RefSeq Size:</b>	4820 bp
<b>RefSeq ORF:</b>	2955 bp
<b>Locus ID:</b>	57337
<b>UniProt ID:</b>	<a href="#">Q9BQF6</a>
<b>Cytogenetics:</b>	3q12.3
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Gene Summary:</b>	<p>The reversible posttranslational modification of proteins by the addition of small ubiquitin-like SUMO proteins (see SUMO1; MIM 601912) is required for many cellular processes. SUMO-specific proteases, such as SENP7, process SUMO precursors to generate a C-terminal diglycine motif required for the conjugation reaction. They also display isopeptidase activity for deconjugation of SUMO-conjugated substrates (Lima and Reverter, 2008 [PubMed 18799455]).[supplied by OMIM, Jun 2009]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.</p>