

## Product datasheet for **SC337780**

### SEN7 (NM\_001282802) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEN7 (NM_001282802) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEN7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001282802, the custom clone sequence may differ by one or more nucleotides

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ATGTTAAATGCAAACCAGAGGATGTCATGTTCAATCACCCTGTCCAAATTCAGAAGCTCAGAACGCT
GGACTCTCCCTTTGCAGTGGGAAAAGAAGCCTAAGGAATAAAGTCATCTCTAGACCATAAAAAA
ACATATCCGAGGGTGCCTGTTACTTCCAAGTCATCACCAGAAAGGCAACTCAAAGTTATGTTGACGAAT
GTCCTATGGACGGATTTAGGACGAAAATTCAGAAAGACCCTACCTAGAAAACGATGCTAATTTATGTGATG
CCAACAAGGTGCAATCAGACTCATTGCCTTCGACATCTGTTGACAGCCTAGAGACATGTCAAAAAATTAGA
ACCTCTTCGCAAAGCCTTAATTTATCTGAAAGGATACCCAGAGTTATATTGACGAATGCCTGGGAACG
GAGTTAGGAAGAAAATACATAAGGACCCCACTGTAAGTGAAGGAAAGTTGAGTGATACAGACAACCTGC
AATCAGAGCAACTTTCTCATCTGATGGCAGCCTAGAATCTTATCAAAATCTAAACCCTCACAAGAG
CTGTTATTTATCTGAAAGGGCTCACAACGAAGTAAGACAGTAGATGACAATTCTGCAAAGCAGACTGCG
CACAATAAAGAAAACGAAGAAAGGATGATGGCATTCTCTTTTAAATATCTGATACTCAGCCTGAAGACC
TTAACAGTGGAAGTAGAGTTGTGATCATCTCGAACAGGAAAGCAGAAACAAGGATGTTAAATATCTGA
TTCAAAAGTGAACTCAGCTGATTTCCAGGAAGACAAAGAGAAGGCTTAGAAAATATTTACCTGATTCT
CAATATTGTAATCTTTGGATAAGTCAACAGAACAGACAAAAAACAAGAAGATGACTCAACAATATCCA
CTGAGTTTGAAAAGCCAAGTAAAATATCATCAGGATCCAAAATGCCTGAAGAAATTACAACATAACC
TACAAAAGTGATTTTACTAAATATCCTCACTAACAGTCAGGAGTTGACTTTGAGTAATGCCACAAA
AGTGCCTCTGCCGGTTCAACCACTGAAACCGTTGAGAAGTCTAATTCATTGATATTGTGGGGATTTCTT
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AGTTCAGAAAATCTTAAGTTACAATCTAAGCAAGACCGTGAGACAACATGAAAATGAGAGTACTCTG
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TAATCCTGTCATGGAGAACATTTCCAGTATTATGCCTAGTAATGAGATGGATCTACAACGGATTTTATA
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TGGGTTATGAAAAGTAAGGATGATAATCACAGTAAAAGGAGTCATGCTATTCTTTTCTTCTGGGCTCT
TCAGATTATCTCAAGAGATTGAGACCAATTAGAACACTCTGTATTAAGCCAGCAATCAAAATCTAGTG
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GGAAATAAGTATAATCAGTGGAGAATTAGAGCTTTCTTACCCGTTGTCTTGGGTTGAGGCATTTCCCTTG
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CTGGTGTGTGCTGTGCTGAAGAAATGAAGCTGAAATCAGTATCTCAGCCCTCAAAACAGATGCGGCCAA
GCCTACTTACACCTTCTGCAGAAGCAAAGTAGCGGTTGCTACTCCCTTTCTATTACATCTAATCCAGAT
GAAGAATGGCGAGAAGTCAGGCACACTGGACTTGTTCAGAAGTTGATTGTATATCCTCCACCACCTACTA
AGGGGGGATTAGGAGTAACTAATGAAGATCTGGAGTGTGTTAGAAGAAGGAGAGTTTCTTAATGATGTAAT
CATTGATTTTTACCTAAGTATCTTATATTGGAGAAGGCATCAGATGAACCTGTTGAACGAAGTCACATT
TTTAGTAGCTTTTCTATAAATGCTTGACAAGAAAGGAAAATAATTTAACAGAAGATAATCCAAATCTTT
CAATGGCACAGAGAAGACATAAAAGAGTAAGAACATGGACTCGTCACATAAACATTTTAAATAAGATTA
CATCTTTGTACCTGTAATGAGTCGTCTCACTGGTATCTCGCAGTCATTGTTTTCCATGGTTAGAAGAA
GCTGTGTATGAAGATTTCCACAACTGTATCCCAGCAGTCCCAGGCTCAGCAGTCCCAAAATGACAACA
AAACAATAGATAATGATCTACTACTACTTCGACACTGTCTTTGAGTGCAGAGGATTTCCAAAGTACCGA
GTCGAATATGTCAGTACCAAGAAAATGTGTAAGGCCATGTATTCTTATACTAGACTCCTTGAAGACT
GCTTCTGTACAAAACACAGTTCAGAAATTTACGAGAGTATTTAGAGGTAGAGTGGGAAGTTAAACTAAAA
CTCATCGTCAATTCAGCAAAACAACATGGTGGATCTATGCCCTAAAGTTCCTAAACAGGACAATAGCAG
TGATTGTGGAGTATATTTATTGCAGTATGTGGAAGCTTCTTCAAGGATCCTATTGTTAACTTTGAACTT
CCAATTCATTTGGAGAAGTGGTTTCTCTGTCATGTAATAAAGACCAACGGGAAGATATTCGAGAGCTCA
TCTTGAACCTTCAATTTACAGCAACAGAAGGGCAGCAGTAGCTAG
    
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001282802

<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_001282802.1</a> , <a href="#">NP_001269731.1</a>
<b>RefSeq Size:</b>	4968 bp
<b>RefSeq ORF:</b>	3054 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 (4) differs in its 5' UTR, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (4) has a shorter N-terminus, compared to isoform 1.</p>