

Product datasheet for **SC113073**

SEN7 (NM_020654) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEN7 (NM_020654) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEN7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_020654, the custom clone sequence may differ by one or more nucleotides

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ATGGACAAGAAAAGCTCGGGCGACGGCCATCTTCATCCGAAATCATCACAGAAGGAAAAAGGAAAAAGT
CATCTTCTGATTTATCGGAGATAAGAAAAGATGTTAAATGCAAAACCAGAGGATGTCCATGTTCAATCACC
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GACCAAACGGGAAGATATTTCGAGAGCTCATCTTGAACCTCATTTACAGCAACAGAAGGGCAGCAGTAGC
TAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020654 unedited
 NGGTTTCAGATTTTGTAAATACGACTCACTATAGGGCGGCCCGGAATTCGCACGAGGGTTA
 CTATAAGGAGATATATTTATAATGTGTTAAATATGATATATCTTAAAGAAGATGGTTAAA
 CTAATTTAAGATATTTCAATATATAAAAAATGGCTCTTGAAGTCCCTATCTTAAATGAAA
 AAATTTTATATATCAAATCTGTCTTTCATACTCTCAGAATGGCACAGAGAAGACATAAA
 AGAGTAAGAACATGGACTCGTCACATAAACATTTTTAATAAAGATTACATCTTTGTACCT
 GTAAATGAGTCGTCTCACTGGTATCTCGCAGTCATTTGTTTTCCATGGTTAGAAGAAGCT
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 GACAACAAAACAATAGATAATGATCTACGTACTACTTCGACACTGTCTTTGAGTGACAGAG
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 GAGTATTTAGAGGTAGAGTGGGAAGTAAACTAAAACTCATCGTCAATTCAGCAAAAACA
 AACATNGGTGGATCTATGCCCTAAAGTTCCTAACAGGACAATAGCAGTGATTGTGGAGT
 ATATTTATGTCAGTATGTGGAAGCTTCTCAAGGATCCTATTGTTAACTTTGAAGTCC
 AATTCATTTGGAGAAGTGGTTTCTCGTCATGTAATAAAGACCAACGGGAAGATATTCCG
 AGAGCTCATCTTNGAACTTCATTTACAGNCACAGAAGGGCAGCAGTAGCTAGTTAATCTG
 TACAACATGACACAGATGTTCTCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020654 unedited
 NNNAATAGCTTGNACCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTAAAT
 GAATTGGAAATATGTTTAAATAAAAACACTGATATCCTCAAAACATTACTGCACATTAA
 TTTAGGAAAATGAATTTTAAACAATCTTCAAAACATGATAAAGGACAGTGATATCTTTGA
 AAAACATACAAAACAAAACATTAAAGAAATCACAAGATGTCTTATAGACTTGCTTTCCCAA
 AATTAGATGTACAAAACAATAGTCACCTTTAAAAGTACCCCCAACACACAAAATTGGG
 AATGAAATATGTAATTATAGCCATCTTTATATGAAATATCCAAACAACAAATATATTTAA
 TAATATAAAGATAGTGCCAAAATCAACAAAAGCTAAGAATACTGAGGCTTAACTGACCCC
 GATTCGTATGATTNTGATAANGATGTTCCAGACTTTCTAGCTTTATCTTAANTTGCCTTTG
 CTTCACTGCTTTATGTAGTTACAATGTAATCTAAGAGATGCTTANAACAGATTTAAAATA
 ATATTGGTTAAAAACATTTTCTTTTTTTGAAAAAAAAACAAAAATAAATATTCCCTTCA
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 TAACAAAACATAATAAAAAGGGGCCCTAATTTATAAAAAAAAAAACCTAACCTCCCTCG
 GAGGTAAAGTTGTTTTAACCTACCCCCCTTAAAAAAAAAANAACCTAACCTCCCTCG
 TTTTTGTAGTTTGTGGGNNCCGGGGAACCGGGCTTTTAAAATTTATATTTTAACT
 CCCCCTATTTAAAAGGACGGGGGTTTTTTTTGATAAAGTATAAGGCACCCATTCT
 TTTCTTTTTTTTGGAAAATTCTTAATTAAGCACCGG

Restriction Sites:

NotI-NotI

ACCN:

NM_020654

Insert Size:

2680 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).

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_020654.1 , NP_065705.1
RefSeq Size:	5018 bp
RefSeq ORF:	717 bp
Locus ID:	57337
UniProt ID:	Q9BQF6
Cytogenetics:	3q12.3
Domains:	Peptidase_C48
Protein Families:	Druggable Genome, Protease
Gene Summary:	<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 (1, also known as SENP7L) represents the longest transcript and encodes the longest isoform (1).</p>