

Product datasheet for SC315072

SENP7 (AF199458) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SENP7 (AF199458) Human Untagged Clone
Tag:	Tag Free
Symbol:	SENP7
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AF199458, the custom clone sequence may differ by one or more nucleotides

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ATGTTAAATGCAAAACCAGAGGATGTCCATGTTCAATCACCAGTGTCCAATTCAGAAGC
TCAGAAGCTGGACTCTCCCTTTGCAGTGGGAAAGAAGCCTAAGGAATAAAGTCATCTCT
CTAGACCATAAAAATAAAAAACATATCCGAGGGTGTCTGTTACTTCCAAGTCATCACCA
GAAAGGCAACTCAAAGTTATGTTGACGAATGTCCTATGGACGGATTTAGGACGAAAATTC
AGAAAGACCCTACCTAGAAACGATGCTAATTTATGTGATGCCAACAGGTGCAATCAGAC
TCATTGCCTTCGACATCTGTTGACAGCCTAGAGACATGTCAAAAATTAGAACCCTTCGC
CAAAGCCTTAATTTATCTGAAAGGATACCCAGAGTTATATTGACGAATGTCCTGGGAACG
GAGTTAGGAAGAAAATACATAAGGACCCACCTGTAAGTGGGGAAGTTGAGTGATACA
GACAACTTGCAATCAGAGCAACTTTCTTCATCATCTGATGGCAGCCTAGAATCTTATCAA
AATCTAAACCCTCACAAGAGCTGTTATTTATCTGAAAGGGCTCACAACGAAGTAAGACA
GTAGATGACAATTCTGCAAAGCAGACTGCGCACAATAAAGAAAAACGAAGAAAGGATGAT
GGCATTCTCTTTAATATCTGATACTCAGCCTGAAGACCTAACAGTGGAAAGTAGAGGT
TGTGATCATCTCGAACAGGAAAGCAGAAACAAGGATGTTAAATATTCTGATTCAAAAGTG
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AATGAGATGGATCTACAATGGATTTTATATTTACTTCTGTTTATATTGGTAAAAATAAAA
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TCCCTGAATGAGATTTTCATTGCTAGTGGATACCACACATTTAAAGCGGTTGGGTTATGG
AAAAGTAAAGGATGATAATCACAGTAAAAGGAGTCATGCTATTCTTTCTCTGGGCTCTCT
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AAATCTAGTGAATTCATTTTCTTGAACACACAATCCTGTTTCAAAAGAGAAGAAATTG
AAGCTGAAAGATATTATGACGGAATAAGTATAATCAGTGGAGAATTAGAGCTTTCTTAC

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CCGTTGTCTTGGGTTTCAGGCATTTCTTTGTTTCAGAACCTCTCTTCAAAGAAAGTTCT
TTTATTCAATTACTGTGTTTCAACTGTTCTTTCCCTGCTGGTGTGCTGTTGCTGAA
GAAATGAAGCTGAAATCAGTATCTCAGCCCTCAAACACAGATGCGGCCAAGCCTACTTAC
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GAAGAATGGCGAGAAGTCAGGCACACTGGACTTGTTCAGAAGTTGATTGTATATCCTCCA
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TCAGATGAACTTGTGAAACGAAGTCACATTTTTAGTAGCTTTTTCTATAAATGCTTGACA
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CCTGTAATGAGTCGTCTCACTGGTATCTCGCAGTCATTTGTTTTCCATGGTTAGAAGAA
GCTGTGTATGAAGATTTCCACAACTGTATCCCAGCAGTCCCAGGCTCAGCAGTCCCAA
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GAGGATCCCAAAGTACCGAGTGAATATGTCAGTACCAAAGAAAATGTGTAAGGCA
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CCAATTCATTTGGAGAAGTGGTTTCTCGTCATGTAATAAAGACCAAACGGGAAGATATT
CGAGAGCTCATCTTAACTTTCATTTACAGCAACAGAAGGGCAGCAGTAGC

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Restriction Sites:	Please inquire
ACCN:	AF199458
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:	AF199458.1 , AAL25651.1
RefSeq Size:	3319 bp
RefSeq ORF:	3054 bp
Locus ID:	57337
Cytogenetics:	3q12.3

Domains: Peptidase_C48

Protein Families: Druggable Genome, Protease

Gene Summary: 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]