

Product datasheet for **SC324120**

SEN2 (NM_021627) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEN2 (NM_021627) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEN2
Synonyms:	AXAM2; SMT3IP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_021627.2
 CAGCTCTGGGTTTTCGCTCTCGGGGTGTGTCCGCCCGCTGCTGCTGGGCCTGGTATG
 TACAGATGGCTGGTTAGGATTCTCGGCACCATTTCCGTTTCTGCGACCGGTCCGTGCC
 CCTGCCCGGGCCCTCCTGAAGAGGCGGCTCAGACAGCACTCTGTTTTCTACAGTGGAC
 ACTGATGAAATACCAGCCAAAAGACCAAGATTAGATTGCTTTATTCACCAAGTAAAAAC
 AGTCTCTACAATGCTGCCAGCTTATTTGGATTCCCATTCCAGCTGACCACAAAGCCCATG
 GTAACCTCTGCTTGAATGGAACACGGAATGTGGCCCTTCAGGAGAGGTATTTTCGAAC
 TCTTCATCTTGTGAAGTACAGGTTCTGGATCCTGGAACAACATGCTGAAACTGGGTAAT
 AAATCTCCTAATGAATAAGTACTATCCAAAGATCAGAGTGACAGTTACCCGAGATCAG
 CCACGCAGAGTCTGCCTCCTTTGGTTTTACTTTGAACTCAGAAGGCTGTAATAGAAGA
 CCAGGTGGCCGTCGCATAGCAAAGGTAATCCAGAGAGTCTTTAATGTGGAAACCTCAG
 GAACAGGCTGTAACAGAGATGATTTCTGAAGAGAGTGGCAAGGGTCTGAGGCGTCCCAT
 TGTACTGTGGAGGAGGTGTTCAAAAAGAGGAAAGAGAGAAGTACCGAAAGTTATTGGAA
 CGACTTAAAGAAAGTGGTCATGGAACCTGTCTGTCTGTAACCTCAAATTATCACAGT
 TCTCAAAGAAGTCAGATGGACACATTAAGACCAAGGCTGGGGGAAGGACAAAATCAC
 GGAGTCAAACAACCTCAGTTTGTCCAAAACAATATAGACTTGTGAAACAGGGGACCT
 CTATGTTCAATTGAGAAGTAAAAAGAGGTGTTCAAAGGGGAAAATTACTGTACAGAGACG
 ATGGTCGGAATCAGATTTGAAAATGAAAGTAGGAGGGGATACCAACTGGAGCCTGACCTA
 TCAGAAGAAGTGTCCGCCGACTCCGCCTGGGCAGTGGAAAGCAATGGCTTACTCAGGAGG
 AAAGTGTCAATAATTGAGACAAAGGAAAAGAATTGCTCAGGCAAAGAGAGGGACAGAAGA
 ACGGACGATCTCCTTGAACCTACAGAGGACATGAAAAGGAAATCAGTAATGCCCTAGGC
 CATGGCCACAGGATGAAATCCTAAGTAGTGCTTTCAAATTGCGAATTACTCGAGGAGAT
 ATTCAGACATTAAGAAGTACTACTGGCTCAATGATGAAGTCATTAATTTTTACATGAAT
 CTCTGGTGGAAGAAATAAAAAGCAAGGCTATCCAGCACTTCATGTATTCAAGTACTTTC
 TTCTATCCTAAATTAAGTCTGGGGTTACCAAGCAGTGAACGATGGACCAAAGGGGTA
 AATCTCTTTGAACAAGAAATTATTCTGGTGCCTATTCATCGGAAGGTACATTGGAGCCTG
 GTGGTGATTGACCTAAGAAAAAGTGTCTTAAATATCTGGATTCTATGGGACAAAAGGGC
 CACAGGATCTGTGAGATTCTCCTTCAGTATTTACAGGATGAAAGTAAAGACCAAAGAAAT
 AGTGATCTGAATCTTTAGAGTGGACCCATCACAGCATGAAACCACAGAGATTCCTCAA
 CAGCTGAATGGGAGTGATTGTGGAATGTTACTTGTAATATGCAGATTATTTTCTAGG
 GACAAACCTATCACATTTACTCAGCACCAGATGCCTCTCTCCGGAAGAAGATGGTGTGG
 GAAATCCTTCATCAGCAGTTGCTGTGAGAAAACCTTGCCTGGTCCCTCTAGCTGCTGGTG
 GTTCTTTACAGACATTTCCATATACCTCATGCATTGTGGGTTAAAAAGTCCCTGCATCA
 CTTCTGTTCTCACAGGACTGAGCTGTCAAAGTGCATGAAGGCCTCTCACTGTACTCTA
 GTCCTGACTTGGGGTGCAGAGGGCTGCTTGCAATCCTGTTTGAAGGCTGTGCCTGCTCA
 GAGCTTTGGACTGTTCAACCCACACAAGAACAACGCTAACTAATATTTTTTTAAGAGA
 TTCTTTTCCCTATGAATGTGGGAAATGCAGGATTTATTCTGTGAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: ECoRI-NOT

ACCN: NM_021627

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:	<u>NM_021627.2</u> , <u>NP_067640.2</u>
RefSeq Size:	3207 bp
RefSeq ORF:	1770 bp
Locus ID:	59343
UniProt ID:	<u>Q9HC62</u>
Cytogenetics:	3q27.2
Domains:	Peptidase_C48
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Wnt signaling pathway
Gene Summary:	SUMO1 (UBL1; MIM 601912) is a small ubiquitin-like protein that can be covalently conjugated to other proteins. SENP2 is one of a group of enzymes that process newly synthesized SUMO1 into the conjugatable form and catalyze the deconjugation of SUMO1-containing species.[supplied by OMIM, Apr 2004]