

Product datasheet for **SC325264**

SnoN (SKIL) (NM_001145098) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SnoN (SKIL) (NM_001145098) Human Untagged Clone
Tag:	Tag Free
Symbol:	SnoN
Synonyms:	SNO; SnoA; SnoI; SnoN
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001145098, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGATGATGGCAGCCCCCAGCGAAAAAATGATAACGGACATTCATGCAAATGGA
AAAACGATAACAAGGTGCCAACAGTTAAGAAGGAACACTTGGATGACTATGGAGAAGCA
CCAGTGGAAACTGATGGAGAGCATGTTAAGCGAACCTGTACTTCTGTTCTGAACTTTG
CATTAAATCCCAGTTTAAAACACACATTGGCACAATTCATTTAAGTAGTCAGAGCTCG
CTGGGTGGACCAGCAGCATTTTCTGCTCGGCATTCCCAAGAAAGCATGTCGCCTACTGTA
TTTCTGCCTCTTCCATCACCTCAGGTTCTTCTGGCCCATGCTCATCCCTTCAGATAGC
TCCACAGAACTCACTCAGACTGTGTTGGAAGGGGAATCTATTTCTGTTTTCAAGTTGGA
GGAGAAAAGAGACTCTGTTTGCCCAAGTCTTAAATTCTGTTCTCCGAGAATTTACTCTC
CAGCAAATAAATACAGTGTGTGATGAACTGTACATATATTGTTCAAGGTGACTTCAGAC
CAGCTTCATATCTTAAAGGTACTGGGCATACTCCATTCAATGCCCCATCCTGTGGGCTG
ATTACATTAAGTATGCACAAAGATTATGTAATGCTTTATTGCGGCCACGAACTTTTCTC
CAAATGGTAGCGTACTTCTGCTAAAAGCTCATTGGCCAGTTAAAGGAACTGGCAGT
GCCTTTGAAGTGGAGCATGAATGCCTAGGCAAATGTCAGGGTTTATTTGCACCCAGTTT
TATGTTACAGCCTGATGCTCCGTGATTCAATGTCTGGAGTGTGTGGAATGTTTGACCC
CAGACGTTTGTGATGCATTCTCACAGATCACCTGACAAAAGAAGTTGCCACTGGGGCTTT
GAATCAGCTAAATGGCATTGCTATCTTCATGTGAACAAAAAATACTTAGGAACACCTGAA
GAAAAGAACTGAAGATAATTTTAGAAGAAATGAAGGAGAAGTTTAGCATGAGAAGTGG
AAGAGAAATCAATCCAAGACAGATGCACCATCAGGAATGGAATTACAGTCATGGTATCCT
GTTATAAAGCAGGAAGGTGACCATGTTTCTCAGACACATTCATTTTTACACCCAGCTAC
TACTTATACATGTGTGATAAAGTGGTTGCCCAAATGTGTCACCTACTTCTGCTGTATCC
CAGTCTAAAGAGCTCACAAAGACAGAGGCAAGTAAGTCCATATCAAGACAGTCAGAGAAG
GCTCACAGTAGTGGTAACTTCAAAAAACAGTGTCTTATCCAGATGTCTCACTTGAGGAA
CAGGAGAAAATGGATTTAAAAACAAGTAGAGAATTATGTAGCCGTTTAGATGCATCAATC
TCAAATAATTCTACAAGTAAAAGGAAATCTGAGTCTGCCACTTGCAACTTAGTCAGAGAC
ATAAACAAAGTGGGAATTGGCCTTGTGCTGCCGCTTCATCTCCGCTTCTGTGAAAGAT
GTCATTTGTGAGGATGATAAGGGAAAAATCATGGAAGAAGTAATGAGAACTTATTTAAAA
CAACAGGAAAACTAACTTGATTTTGCAAAAAGCAACAACCTCAGATGGAAGTAAAA
ATGTTGAGTAGTCAAAATCTATGAAGGAACTCACTGAAGAACAGCAGAATTTACAGAAA
GAGCTTGAACTTTGCAGAAATGAACATGCTCAAAGAATGGAAGAATTTTATGTTGAACAG
AAAGACTTAGAGAAAAAATTGGAGCAGATAATGAAGCAAAAATGTACCTGTGACTCAAAT
TTAGAAAAAGACAAAGAGGCTGAATATGCAAGGACAGTTGGCAGAAGTGGGCAGAGATTG
GACCATGCTGAGGCCGATAGGCAAGAACTCCAAGATGAACTCAGACAGGAACGGGAAGCA
AGACAGAAGTTAGAGATGATGATAAAGAGCTAAAGCTGCAAAATCTGAAATCATCAAAG
ACTGCTAAAGAA

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Restriction Sites: Please inquire

ACCN: NM_001145098

Insert Size: 6711 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).

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_001145098.1, NP_001138570.1</u>
RefSeq Size:	6711 bp
RefSeq ORF:	6711 bp
Locus ID:	6498
UniProt ID:	<u>P12757</u>
Cytogenetics:	3q26.2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>The protein encoded by this gene is a component of the SMAD pathway, which regulates cell growth and differentiation through transforming growth factor-beta (TGFB). In the absence of ligand, the encoded protein binds to the promoter region of TGFB-responsive genes and recruits a nuclear repressor complex. TGFB signaling causes SMAD3 to enter the nucleus and degrade this protein, allowing these genes to be activated. Four transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding region, and uses a downstream start codon compared to variant 1. The resulting protein (isoform 3) is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>