

## Product datasheet for **SC116749**

### SnoN (SKIL) (NM\_005414) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SnoN (SKIL) (NM_005414) Human Untagged Clone
Tag:	Tag Free
Symbol:	SKIL
Synonyms:	SNO; SnoA; SnoI; SnoN
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_005414, the custom clone sequence may differ by one or more nucleotides

```
ATGAAAAACCTCCAGACAAATTTCTCCTGGTTCAGGGCTCAACTAAAAACTGAATGGGATGGGAGATG
ATGGCAGCCCCCAGCGAAAAAATGATAACGGACATTCATGCAAAATGGAAAAACGATAAAACAAGGTGCC
AACAGTTAAGAAGGAACACTTGGATGACTATGGAGAAGCACCAGTGAAACTGATGGAGAGCATGTTAAG
CGAACCTGTACTTCTGTTCTGAACTTTGCATTTAAATCCCAGTTTGAACACACATTGGCACAATTCC
ATTTAAGTAGTCAGAGCTCGCTGGGTGGACCAGCAGCATTCTTCTGCTCGGCATTCCTCAAGAAAGCATGTC
GCCTACTGTATTTCTGCCTCTTCCATCACCTCAGGTTCTTCTGGCCATTGCTCATCCCTTCAGATAGC
TCCACAGAACTCACTCAGACTGTGTTGGAAGGGGAATCTATTTCTGTTTTCAAGTTGGAGGAGAAAAAGA
GACTCTGTTTGCCCAAGTCTTAAATCTGTTCTCCGAGAATTAACACTCCAGCAATAAATACAGTGTG
TGATGAACTGTACATATATTGTTCAAGGTGACTTCAGACCAGCTTCATATCTTAAAGGTAAGTGGCATA
CTTCCATTCAATGCCCATCCTGTGGGCTGATTACATTAAGTATGCACAAAGATTATGTAATGCTTTAT
TGCGGCCACGAACTTTCTCAAATGGTAGCGTACTTCTGCTAAAAGCTCATTGGCCAGTTAAAGGA
AACTGGCAGTGCCTTTGAAGTGGAGCATGAATGCCTAGGCAAAATGTCAGGGTTTATTTGCACCCAGTTT
TATGTTAGCCTGATGCTCCGTGATTCAATGTCTGGAGTGTGTGGAATGTTTGACCCACAGCCTTTG
TGATGCATTCTCACAGATCACCTGACAAAAGAAGTGGCACTGGGGCTTTGAATCAGCTAAATGGCATTG
CTATCTTCATGTGAACCAAAAACTTAGGAACACCTGAAGAAAAGAACTGAAGATAATTTTAGAAGAA
ATGAAGGAGAAGTTTAGCATGAGAAGTGGAAAGAGAAATCAATCCAAGACAGATGCACCATCAGGAATGG
AATTACAGTCATGGTATCCTGTTATAAAGCAGGAAGGTGACCATGTTTCTCAGACACATTCATTTTACA
CCCCAGCTACTACTTATACATGTGTGATAAAGTGGTTGCCCAAAATGTGCACTTACTTCTGTGTATCC
CAGTCTAAAGAGCTCACAAAAGACAGAGGCAAGTAAGTCCATATCAAGACAGTCAGAGAAGGCTCACAGTA
GTGGTAAACTTCAAAAAACAGTGTCTTATCCAGATGTCTCACTTGAGGAACAGGAGAAAAATGGATTTAAA
AACAAAGTAGAGAATTATGTAGCCGTTTAGATGCATCAATCTCAAATAATTCTACAAGTAAAAGGAAATCT
GAGTCTGCCACTTGCAACTTAGTCAGAGACATAAAACAAAGTGGGAATTGGCCTTGTGCTGCCGCTTCAT
CTCCGCTTCTTGTGAAAGATGTCATTTGTGAGGATGATAAGGGAAAAATCATGGAAGAAGTAATGAGAAC
TTATTTAAAACAACAGGAAAACTAACTTGATTTGCAAAAAGCAACAACCTCAGATGGAAGTAAAA
ATGTTGAGTAGTTCAAATCTATGAAGGAACACTCACTGAAGAACAGCAGAATTTACAGAAAAGCTTGAAT
CTTTGCAGAATGAACATGCTCAAAGAATGGAAGAATTTTATGTTGAACAGAAAGACTTAGAGAAAAAATT
GGAGCAGATAATGAAGCAAAAAATGTACCTGTGACTCAAATTTAGAAAAAGACAAAGAGGCTGAATATGCA
GGACAGTTGGCAGAACTGAGGCAGAGATTGGACCATGCTGAGGCCGATAGGCAAGAACTCCAAGATGAAC
TCAGACAGGAACGGGAAGCAAGACAGAAGTTAGAGATGATGATAAAGAGCTAAAGCTGCAAATCTGAA
ATCATCAAAGACTGCTAAAGAATAG
```

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005414 unedited NGTTCAAAATTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGTGAGACAGAA AATGCTTGAACCCGGGAGGCGGAGGTTGCAGTATGCCGAGATCGCTGCACTTCAGCCTGG GCGACAGAGCGGAGACTCCGTAAGAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAG AAATGGCCCTTTGGCCCTCTGGAGCAAATCAAATGTAACCTTCCCCAACCCCTTCT CTTCTTCCAGATTAATTAAGAAAGAATGAACATAATCCTTGAAGATAACTGGGCAATT TTTTAAGTCGGAGGCTGTTCTTACTGGTGTGAGGATTTACACACGTCTTCAGTTTTTCAG CACAGACCAGCAGACCATCATTTTAGAGGAAATACTCCCTCTGCCCTCCTTTTTGGTTT CCTTGGTGGTAAAGATTAATTTGGTTGCATCATTGACTTGTGTTTGAAGTCTAGGTTT TATGGCACAAGGAATGGCATAAACTTTTCATGTGTTTTGGTTAAAAACAAACCAGACCATT GCATTGACCCTGGACATCTTTAATTGAGAAATGGTAACCTTTATTTAATATGTATATCT GAAGAATTCAAGAAAACAAGGCATCCTCAGAGGTGTGCCCTTTTTCTTTATTATTAGAG GCAAAACGAACAATTTATAGGATTTGTAGTAAATTATACCAGATTATAAGGAGAACCA AACTAAGTCGCAAAATTTAATTTAAGGGCTCTCGCTTTGAAAGTTTGAGAGTAAG TTACGATAGGCATTTGTATCCATTCATTACTTTCTCTTTTCAAATAGCACTAAATAGAA TGCTAATCTCAGACTTAAATATTACAGNAAGGTGTACATGGGAAAACNTCAGACAATTC TNCTTGGNTCAGGNTCACTC
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_005414 unedited GTACCGCGGCACGCAATCTAGTGTGAGNTNTTTTTTTTTTTTTTTTTTTTTTTTCAAAAA TTATCACATTTTATTTTTGAAAATTGCTGCTTAAAAAATCTAACTATAACCACATTT AACTGAAAAACAATACAACCTGCTGCTTCTGTTTAGCAGCAGCACATAACAACACATT CTTCTTCCCCTGCGGCTCATGGGGTATGCTATAACCTCAGTAAATTCCTCCTAGGGTA CACATTAAGAAAGAAAGAACTGGGGAAATTCATTCCACAATCTGAACAAAGTAAAGTA AATTTGGGGTATGTTAATGAGTACACCATATCAACTTAAAAAATTTGGGTTAATGAGAAA AGGGGAGATCAACTCCTTGAGTAGCTCTATACTTAAAAATATAAGGCCACCATTGTAT CTAAAATTGAGTCTGAAATATGGATAACAAAATGACCACAGCTATTTCCATCACATAT TGCAGCTTTTAAAAAGTACACAATGTTAAGTTGCATTAATAAATAAGCAGATTACCT ACTAGTTGAAACCATATAGTATTGTTACTAAGCTGATTTTTAAAAAAGTACAAAGAAACA TACATTTTCATTCATTTGGAAAATGTAATAATTAAGCACTAATATATAATCTCTTCACT TTCTCTGATCTACAAATGGATAGAATGCCTAGTTATCGTCATGCAGATAAATTCCTCAGA ATTCAATTACCAAGCAAGCAACAAACAAAAAACCCTTGTGAGTAAATACACAGATGAAT CTCTTTAACAGTTTCTATTCTTTAGCAGTCTTTGATGATTTAGAAAATTCAGCTTTAGC TCTTTAATATCATCTCTAACTTCTGGCTGGCTTCCCGTCTGGCTGAGTTATCTGGGAGT TCTGGCTATCGGCCTCACATGGTCCATCTTGCCAAGTCTGCCACTGCCTGCTATTAGCC CCTTGTCTTTTTAATTGAGCCAGGNACATTTGTTATTATCGCCCCATTTTCTCA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005414
<b>Insert Size:</b>	3700 bp
<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>RefSeq:</b>	<a href="#">NM_005414.2</a> , <a href="#">NP_005405.1</a>
<b>RefSeq Size:</b>	3111 bp
<b>RefSeq ORF:</b>	2055 bp
<b>Locus ID:</b>	6498

UniProt ID: [P12757](#)

Domains: Ski\_Sno

Protein Families: Druggable Genome, Transcription Factors

**Gene Summary:** 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]  
Transcript Variant: This variant (1) encodes the longest isoform (1, also known as snoN).  
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.