

Product datasheet for **MC228258**

Skil (NM_001271772) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Skil (NM_001271772) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Skil
Synonyms:	S; Skir; sno; sno-; SnoN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228258 representing NM_001271772
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAACTCCAGTCTAAGTTCTCCTTAGTTACAGGTTCAAATAAAAAGCTGAACGGCATGGAGGATG
 ATGGCAGTCCTCCTGTGAAAAAATGATGACCGACATTCATGCCAATGGGAAAACCTGACCAAGTTCT
 TCCCGGCCCTCTTCTCATTCTTCTGATAGCTCCACAGAGCTCACTCAGACTCTTTTGGAAAGGGAGTCT
 ATTTCTTGTTTTCAAGTTGGAGGAGAAAAGAGACTCTGTTTGCCCAAGTCTTAAACTCTGTCTCCGAG
 AATTTTCACTCCAGCAGATAAACACAGTATGTGATGAGCTGTACATCTATTGTTCAAGGTGACTTCAGA
 CCAGCTTCATATCTTAAAGTCTTAGGGATACTCCCATTTAATGCTCCATCCTGTGGGCTGATCACGTTG
 ACCGATGCACAAAGACTCTGTAATGCTTACTGCGGCCACGAACCTTCTCAAATGGTAGCATACTTC
 CTGCTAAAAGCTCTCTGGCCAGTTGAAGGAACTGGCAGTGCCTTTGAAGTGGAACATGAATGCTTGGG
 CAAATGTCAGGGTCTCTTGGCCCTCAGTTTTATGTTCCAGCCGACGCTCCCTGTATCCAGTGCCTGGAG
 TGCTGTGGAATGTTTGTCCCCAGACGTTGTCATGCATTGCGACAGATCCCTGACAAGAGAATTGCC
 ATTTGGGCTTTGAGTCAGCCAAGTGGCACTGTTACCTTCATGTGAACAAAAATACCTAGGGACACCCGA
 AGAAAAGAACTGAAGATAATTTTGAAGAAAATGAAGGAGAAGTTTAGCATGAGAAAATGGAAAGAGAATC
 CAATCAAAGACAGATACACCATCGGGAATGGAATTGCCATCATGGTATCCTGTTATAAACAGGAAGGTG
 ACCATGTTCCCGACACATTCATTTTTACACCCAGCTACTACCTGTACATGTGTGACAAAAGTGGTTGC
 ACCGAATGTGTCGCTCACATCTGCTGCGTCCCAGTCTAAAGAGGCCCAAGGCAGAGACAAATTCATCA
 ATCTCAAATAATTCTACAAGTAGAAAGAAATCTGAGTCTGCTGTGTGCAGCTTAGTGAGAGGCACAAGCA
 AGCGTGATTCAGAAGATTCTCTCCACTTCTGGTCAGAGATGGTGAAGACGACAAGGGGAAGCATGGA
 AGACGTGATGAGAACCTATGTAAGACAGCAGGAGAAGCTGAACTCCATTCTGCAGAGGAAGCAGCAGCTG
 CAGATGGAGGTGGAGATGCTGAGCAGTCAAAGCGATGAAGGAGCTCACTGAAGAGCAGCAGAATCTAC
 AGAAAGAGCTTGAGTCGTTACAGAGTGAGCATGCTCAGAGGATGGAGGAATTCTATATTGAACAGAGAGA
 CTTAGAGAAAAAGCTGGAGCAGGTGATGCAGCAGAAAATGCACCTGTGACTCAACCTTGGAGAAGGACAGG
 GAGGCCGAGTATGCGGCTCAGCTGGCAGAACTGAGGCAAAGACTAGACCATGCTGAGGCCGACAGGCAGG
 AACTCAAAGTGAATCAGACAGGAGCGGGAGGCGAGACAGAAGCTGGAGATGATGATAAAGGAGCTGAA
 GCTGCAGATTGGCAAGTCGTCCAAGCCCTCAAGGACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001271772
- Insert Size:** 1650 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:

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_001271772.1](#), [NP_001258701.1](#)

RefSeq Size: 6609 bp

RefSeq ORF: 1650 bp

Locus ID: 20482

Cytogenetics: 3 15.12 cM

Gene Summary: This gene encodes a member of a small family of proteins that play a key role in the response of cells to extracellular growth signals. The encoded protein regulates members of the transforming growth factor beta signaling pathway. It is highly expressed in certain cancer cells, where it may have both tumor-suppressing and tumor-promoting roles. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012]

Transcript Variant: This variant (3) differs in the 5' UTR, lacks an in-frame portion of the 5' coding region, and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (c) is shorter than isoform a. 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.