

Product datasheet for **MR230469**

Skil (NM_001271772) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Skil (NM_001271772) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR230469 representing NM_001271772
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAAACCTCCAGTCTAAGTTCTCCTTAGTTACAGGTTCAAATAAAAAGCTGAACGGCATGGAGGATG
 ATGGCAGTCTCCTGTGAAAAAATGATGACCGACATTCATGCCAATGGGAAAACCTGACCAAGTTCT
 TCCCGGCCCTCTTCTCATTCTTCTGATAGCTCCACAGAGCTCACTCAGACTCTTTTGGAAAGGGAGTCT
 ATTTCTTGTTTTCAAGTTGGAGGAGAAAAGAGACTCTGTTTGCCCAAGTCTTAAACTCTGTCTCCGAG
 AATTTTCACTCCAGCAGATAAACACAGTATGTGATGAGCTGTACATCTATTGTTCAAGGTGACTTCAGA
 CCAGCTTCATATCTTAAAGTCTTAGGGATACTCCCATTTAATGCTCCATCCTGTGGGCTGATCACGTTG
 ACCGATGCACAAAGACTCTGTAATGCTTACTGCGGCCACGAATTTTCTCAAATGGTAGCATACTTC
 CTGCTAAAAGCTCTCTGGCCAGTTGAAGGAACTGGCAGTGCCTTTGAAGTGGAACATGAATGCTTGGG
 CAAATGTCAGGGTCTCTTGGCCCTCAGTTTTATGTTTCAGCCGACGCTCCCTGTATCCAGTGCCTGGAG
 TGCTGTGGAATGTTTGTCCCCAGACGTTGCTCATGCATTGCGACAGATCCCTGACAAGAGAATTGCC
 ATTTGGGGCTTTGAGTCAGCCAAGTGGCACTGTTACCTTCATGTGAACAAAAATACCTAGGGACACCCGA
 AGAAAAGAACTGAAGATAATTTTAGAAGAAATGAAGGAGAAGTTTAGCATGAGAATGGAAAGAGAATC
 CAATCAAAGACAGATACCCATCGGGAATGGAATTGCCATCATGGTATCCTGTTATAAAACAGGAAGGTG
 ACCATGTTCCCCAGACACATTCATTTTTACACCCAGCTACTACCTGTACATGTGTGACAAAAGTGGTTGC
 ACCGAATGTGTCGCTCACATCTGCTGCGTCCCAGTCTAAAGAGGCCCAAGGCAGAGACAAATTCATCA
 ATCTCAAATAATTCTACAAGTAGAAAGAAATCTGAGTCTGCTGTGTGCAGCTTAGTGAGAGGCACAAGCA
 AGCGTGATTCAGAAGATTCCTCTCCACTTCTGGTCAGAGATGGTGAAGACGACAAGGGGAAGATCATGGA
 AGACGTGATGAGAACCTATGTAAGACAGCAGGAGAAGCTGAACTCCATTCTGCAGAGGAAGCAGCAGCTG
 CAGATGGAGGTGGAGATGCTGAGCAGTTCAAAGCGATGAAGGAGCTCACTGAAGAGCAGCAGAATCTAC
 AGAAAGAGCTTGAGTCGTTACAGAGTGAGCATGCTCAGAGGATGGAGGAATCTATATTGAACAGAGAGA
 CTTAGAGAAAAAGCTGGAGCAGGTGATGCAGCAGAAATGCACCTGTGACTCAACCTTGGAGAAGGACAGG
 GAGGCCGAGTATGCGGCTCAGCTGGCAGAACTGAGGCAAAGACTAGACCATGCTGAGGCCACAGGCAGG
 AACTCAAAGTGAATCAGACAGGAGCGGGAGGCGAGACAGAAGCTGGAGATGATGATAAAGGAGCTGAA
 GCTGCAGATTGGCAAGTCGTCCAAGCCCTCCAAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230469 representing NM_001271772
 Red=Cloning site Green=Tags(s)

MENLQSKFSLVQGSNKKLNGMEDDGSPPVKMMTDIHANGKLT LKVLPGPLLIPSDSSTELTQTLLLEGES
 ISCFQVGGKRLCLPQVLNSVLREFSLQQINTVCDLEYIYCSRCTSDQLHLKVLGILPFNAPSCGLITL
 TDAQRLCNALLRPRTFPQNGSILPAKSSLAQLKETGSAFEVEHECLGKCQGLFAPQFYVQPDAPCIQCLE
 CCGMFAPQTFVMHSHRSPDKRTCHWGFESAKWHCYLHVNQKYLGTPEEKKLKIILEEMKEKFSMRNGKRI
 QSKTDTPSGMELPSWYPVIKQEGDHPQTHSFLHPSYYLYMCDKVVAPNVSLTSAASQSKEATKAETNSS
 ISNNSTRKKSESAVCSLVRGTSKRDESSPLLVRDGEDDKGIMEDVMRTYVRQEKLSILQRKQQL
 QMEVEMLSSSKAMKELTEEQQNLQKELESLSQSEHAQRMEEFYIEQRDLEKKLEQVMQKCTCDSTLEKDR
 EAEYAAQLAELRQLDHAEADRQELQDELQREARQKLEMMIKELKLQIGKSSKPSKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_001271772

ORF Size: 1647 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

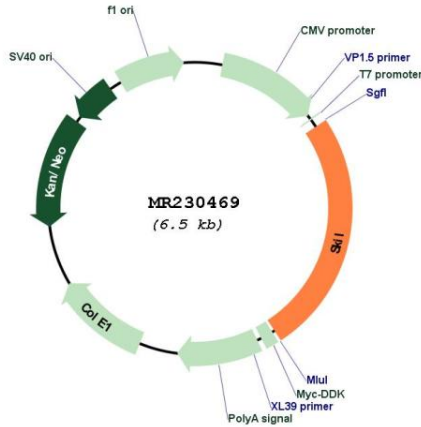
Locus ID: 20482

Cytogenetics: 3 15.12 cM

MW: 62.8 kDa

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]

Product images:



Circular map for MR230469