

## Product datasheet for **RC205801**

### SCIN (NM\_033128) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCIN (NM_033128) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC205801 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGCGGGAGCTATACCAGAAAGAGTTCGCCCGGGCGGCAAGCAGGCGGGGCTGCAGGTCTGGAGGA  
TTGAGAAGCTGGAGCTGGTGCCCGTGCCCGAGAGCGCTCACGGCGACTTCTACGTCGGGGATGCCTACCT  
GGTGCTGCACACGGCCAAGACGAGCCGAGGCTTACCTACCGCTGCACTTCTGGCTCGGAAAGGAGTGT  
TCCCAGGATGAAAGCACAGCTGCTGCCATCTTCACTGTTCAAGATGGATGACTATTTGGGTGGCAAGCCAG  
TGCAGAAATAGAGAACTTCAAGGATATGAGTCTAATGACTTTGTTAGCTATTTCAAAGGCGGTCTGAAATA  
CAAGGCTGGAGGCGTGGCATCTGGATTAATCATGTTCTTACGAACGACCTGACAGCCAAGAGGCTCCTA  
CATGTGAAGGTCGTAGAGTGGTGAAGCCACAGAAGTCCCTTAGCTGGGACAGTTTCAACAAGGGTG  
ACTGCTTCATCATTGACCTTGGCACCAGAAATTTATCAGTGGTGTGGTTCCTCGTGAACAAATATGAACG  
TCTGAAGGCAAACCAGGTAGCTACTGGCATTCCGTACAATGAAAGGAAAGGAAGGCTGAACTAATTGTC  
GTGGAAGAAGGAAGTGAACCCCTCAGAACTATAAAGGTCTTAGGGGAAAAGCCAGAGCTTCCAGATGGAG  
GTGATGATGATGACATTATAGCAGACATAAGTAACAGGAAAATGGCTAACTATACATGGTTTCAGATGC  
AAGTGGCTCCATGAGAGTGAAGTGGTGGCAGAGAAAACCCCTTCTCAATGGCAATGCTGCTGTCTGAA  
GAATGCTTTATTTGGACCACGGGGCTGCCAAACAAATTTTCGTATGAAAGGTAAGATGCTAATCCCC  
AAGAGAGGAAGGCTGCAATGAAGACAGCTGAAGAATTTCTACAGCAAATGAATTTCCAAGAATACCCA  
AATTCAGTCTTCCAGAAGGAGGTGAAACACCAATCTCAAACAGTTTTTAAAGGACTGGAGAGATAAA  
GATCAGAGTGAAGTTCGGGAAAGTTTATGTCACAGAGAAAGTGGCTCAAATAAAACAAATTCCTTTG  
ATGCCTCAAATACACAGTCTCCGAGATGGCAGCCAGCACAATATGGTGGATGATGGTTCTGGCAA  
AGTGGAGATTTGGCGTGTAGAAAACAATGGTAGGATCCAAGTTGACCAAACTCATATGGTGAATTCAT  
GGTGGTGAAGTCTACATCATACTCTACACCTATCCCAGAGGACAGATTATCTACACGTGGCAAGGAGCAA  
ATGCCACACGAGATGAGCTGACAACATCTGCGTTCCTGACTGTTCAAGTGGATCGGTCCCTTGGAGGACA  
GGCTGTGCAGATCCGAGTCTCCAAGGCAAGAGCCTGTTACCTACTGAGTTTGTCAAAGACAAACCG  
CTCATTATTTACAAGAATGGAACATCAAAGAAAGGAGGTCAGGCACCTGCTCCCCCTACACGCTCTTTC  
AAGTCCGGAGAAACCTGGCATCTATCACCAGAATTGTGGAGGTTGATGTTGATGCAAAATCACTGAATTC  
TAACGATGTTTTGTCTGAAACTGCCACAAAATAGTGGCTACATCTGGGTAGGAAAAGGTTGCTAGCCAG  
GAGGAGGAGAAAGGAGCAGAGTATGTAGCAAGTGTCTAAAGTGCAAAACCTTAAGGATCCAAGAAGGCG  
AGGAGCCAGAGGAGTTCTGGAATTCCTTGGAGGGAAAAAGACTACCAGACCTCACCCTACTGGAAC  
CCAGGCTGAAGACCATCCACCTCGGCTTACGGCTGCTCTAACAAAACCTGGAAGATTTGTTATTGAAGAG  
ATTCCAGGAGAGTTACCCAGGATGATTTAGCTGAAGATGATGTCATGTTACTAGATGCTTGGGAACAGA  
TATTTATTTGGATTGGCAAAGATGCTAATGAAGTTGAGAAAAAGAACTCTCTGAAGTCTGCCAAAATGTA  
CCTTGAGACAGACCTTCTGGAAGAGACAAGAGGACACCAATTGTCATCATAAAACAGGGCCATGAGCCA  
CCCACATTCACAGGCTGGTTCCTGGGCTGGGATTCCAGCAAGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC205801 protein sequence  
Red=Cloning site Green=Tags(s)

MARELYHEEFARAGKQAGLQVWRIEKLELVPVPQSAHGDFYVGDAYLVLHTAKTSRGFTYRLHFWLGKEC  
SQDESTAAAIFTVQDDYLGGKPVQRELQGYESNDFVSYFKGGLKYGAGVASGLNHVLTNDLTAKRLL  
HVKGRRVVRATEVPLSWDSFNKGDCCIIDLGTEIYQWCGSSCNKYERLKANQVATGIRYNERKGRSELIV  
VEEGSEPSSELIKVLGEKPELDPGGDDDDIIADISNRKMAKLYMVSASGSMRVTVVAEENPFMAMLLSE  
ECFILDHGAAKQIFVWKGKDANPQERKAAMKTAEEFLQQMNYSKNTQIQVLPPEGGETPIFKQFFKDWRDK  
DQSDGFGKVVYVTEKVAQIKQIPFDASKLHSSPQMAAQHNMVDDGSGKVEIWRVENNGRIQVDQNSYGEFY  
GGDCYIILYTYPRGQIIYTWQGANATRDELTTSAFLTQVQLDRSLGGQAVQIRVSQKPEVHLLSLFKDKP  
LIIYKNGTSKGGQAPAPPTRLFQVRRNLASITRIVEVDVANSLSNDVFLKLPQNSGYIWWGKGASQ  
EEEKGAEYVASVLKCKTLRIQEGEPEEFWNSLGGKKDYQTSPLLETQAEDHPPRLYGCSSNKTGRFVIEE  
IPGEFTQDDLAEEDVMLLDAWEQIFIWIGKDANEVEKESLSAKMYLETDPGRDKRTPIVI IKQGHEP  
PTFTGWFLGWSSKW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6066\\_d04.zip](https://cdn.origene.com/chromatograms/mk6066_d04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_033128

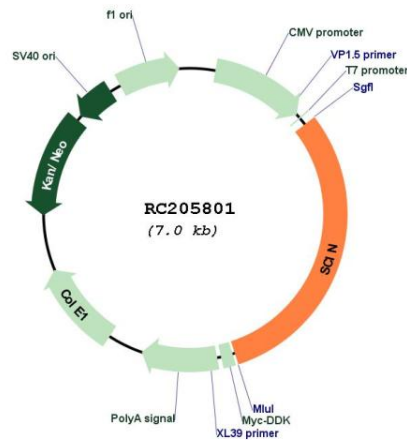
**ORF Size:** 2145 bp

**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](#)

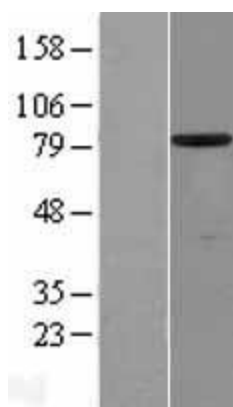
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq Size:</b>	2586 bp
<b>RefSeq ORF:</b>	1407 bp
<b>Locus ID:</b>	85477
<b>UniProt ID:</b>	<a href="#">Q9Y6U3</a>
<b>Cytogenetics:</b>	7p21.3
<b>Domains:</b>	GEL, Gelsolin
<b>Protein Pathways:</b>	Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton
<b>MW:</b>	80.5 kDa
<b>Gene Summary:</b>	SCIN is a Ca(2+)-dependent actin-severing and -capping protein (Zunino et al., 2001 [PubMed 11568009]).[supplied by OMIM, May 2010]

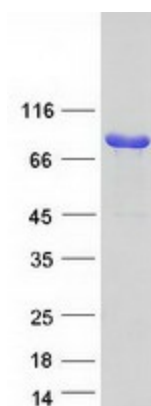
### Product images:



Circular map for RC205801



Western blot validation of overexpression lysate (Cat# [LY403229]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205801 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SCIN protein (Cat# [TP305801]). The protein was produced from HEK293T cells transfected with SCIN cDNA clone (Cat# RC205801) using MegaTran 2.0 (Cat# [TT210002]).