

Product datasheet for **RG226108**

SCIN (NM_001112706) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCIN (NM_001112706) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG226108 representing NM_001112706
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGCGGGAGCTATACCAGAAAGAGTTCGCCCGGGCGGGCAAGCAGGCGGGGCTGCAGGTCTGGAGGA
TTGAGAAGCTGGAGCTGGTGCCCGTGCCCGAGAGCGCTCACGGCGACTTCTACGTCGGGGATGCCTACCT
GGTGCTGCACACGGCCAAGACGAGCCGAGGCTTACCTACCACCTGCACTTCTGGCTCGGAAAGGAGTGT
TCCCAGGATGAAAGCACAGCTGCTGCCATCTTCACTGTTCAAGATGGATGACTATTTGGGTGGCAAGCCAG
TGCAGAAATAGAGAACTTCAAGGATATGAGTCTAATGACTTTGTTAGCTATTTCAAAGGCGGTCTGAAATA
CAAGGCTGGAGGCGTGGCATCTGGATTAATCATGTTCTTACGAACGACCTGACAGCCAAGAGGCTCCTA
CATGTGAAGGTCGTAGAGTGGTGAAGCCACAGAAGTCCCCTAGCTGGGACAGTTTCAACAAGGGTG
ACTGCTTCATCATTGACCTTGGCACCAGAAATTTATCAGTGGTGTGGTTCCTCGTGAACAAATATGAACG
TCTGAAGGCAAACCAGGTAGCTACTGGCATTCCGTACAATGAAAGGAAAGGAAGGCTGAACTAATTGTC
GTGGAAGAAGGAAGTGAACCCCTCAGAACTATAAAGGTCTTAGGGGAAAAGCCAGAGCTTCCAGATGGAG
GTGATGATGATGACATTATAGCAGACATAAGTAACAGGAAAATGGCTAACTATACATGGTTTCAGATGC
AAGTGGCTCCATGAGAGTGAAGTGGTGGCAGAGAAAACCCCTTCTCAATGGCAATGCTGCTGTCTGAA
GAATGCTTTATTTGGACCACGGGGCTGCCAAACAAATTTTCGTATGAAAGGTAAGATGCTAATCCCC
AAGAGAGGAAGGCTGCAATGAAGACAGCTGAAGAAATTTCTACAGCAAATGAATATTCCAAGAATACCCA
AATTCAGTCTTCCAGAAGGAGGTGAAACACCAATCTCAAACAGTTTTTAAAGACTGGAGAGATAAA
GATCAGAGTGAATGGCTTCGGGAAAGTTTATGTCACAGAGAAAGTGGCTCAAATAAAACAAATTCCTTTG
ATGCCTCAAATACACAGTTCCTCCGAGATGGCAGCCAGCACAATATGGTGGATGATGGTTCGGCAA
AGTGGAGATTTGGCGTGTAGAAAACAATGGTAGGATCCAAGTTGACCAAAACTCATATGGTGAATTCAT
GGTGGTGAAGTACATCATACTCTACACCTATCCCAGAGGACAGATTATCTACACGTGGCAAGGAGCAA
ATGCCACACGAGATGAGCTGACAACATCTGCGTTCCTGACTGTTCAAGTGGATCGGTCCCTTGGAGGACA
GGCTGTGCAGATCCGAGTCTCCAAGGCAAGAGCCTGTTACCTACTGAGTTTGTCAAAGACAAACCG
CTCATTATTTACAAGAATGGAACATCAAAGAAAGGAGGTCAGGCACCTGCTCCCCCTACACGCTCTTTC
AAGTCCGGAGAAACCTGGCATCTATCACCAGAATTGTGGAGGTTGATGTTGATGCAAAATCACTGAATTC
TAACGATGTTTTGTCTGAAACTGCCACAAAATAGTGGCTACATCTGGGTAGGAAAAGGTGCTAGCCAG
GAGGAGGAGAAAGGAGCAGAGTATGTAGCAAGTGTCTAAAGTGCAAAACCTTAAGGATCCAAGAAGGCG
AGGAGCCAGAGGAGTTCTGGAATTCCTTGGAGGGAAAAAGACTACCAGACCTCACCCTACTGGAAC
CCAGGCTGAAGACCATCCACCTCGGCTTACGGCTGCTCTAACAAAACCTGGAAGATTTGTTATTGAAGAG
ATTCCAGGAGAGTTACCCAGGATGATTTAGCTGAAGATGATGTCATGTTACTAGATGCTTGGGAACAGA
TATTTATTTGGATTGGCAAAGATGCTAATGAAGTTGAGAAAAAGAACTCTCTGAAGTCTGCCAAAATGTA
CCTTGAGACAGACCCTTCTGGAAGAGACAAGAGGACACCAATTTGCATCATAAAACAGGGCCATGAGCCA
CCCACATTCACAGGCTGGTTCCTGGGCTGGGATTCCAGCAAGTGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG226108 representing NM_001112706
 Red=Cloning site Green=Tags(s)

MARELYHEEFARAGKQAGLQVWRIEKLELVPVPQSAHGDFYVGDAYLVLHTAKTSRGFTYHLHFWLGKEC
 SQDESTAAAIFTVQDDYLGGKPVQNLRELQGYESNDFVSFYKGGGLKYKAGGVASGLNHVL TNDL TAKRL
 HVKGRRVVRAVEVPLSWDSFNKGDCCIIDLGTEIYQWCGSSCNKYERLKANQVATGIRYNERKGRSELIV
 VEEGSEPSSELIKVLGEKPELDPGGDDDDIIADISNRKMAKLYMVSDASGSMRVTVVAEENPF SMAMLLSE
 ECFILDHGAAKQIFVWKGDANPQERKAAMKTAEEFLQQMNYSKNTQIQVLP EGGETPIFKQFFKDWRDK
 DQSDGFVKVYVTEKVAQIKQIPFDASKLHSSPQMAAQHNMVDDGSGKVEIWRVENNGRIQVDQNSYGEFY
 GGDCYIILYTYPRGQIIYTWQGANATRDELTTSAFLTQVQLDRSLGGQAVQIRVVSQKPEPVHLLSLFKDKP
 LIIYKNGTSKGGQAPAPPTRLFQVRRNLASITRIVEVDVANSLSNDVFLKLPQNSGIYVWVGKASQ
 EEEKGAEYVASVLKCKTLRIQEGEEPEEFWNSLGGKKDYQTSPLLETQAEDHPPRLYGCSSNKTGRFVIEE
 IPGEFTQDDLAEEDVMLLDAWEQIFIWIGKDANEVEKESLSAKMYLETDPSSGRDKRTPIVIIKQGHEP
 PTFTGWFLGWSSKW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001112706

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.

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_001112706.3](#)

RefSeq Size: 3261 bp

RefSeq ORF: 2148 bp

Locus ID: 85477

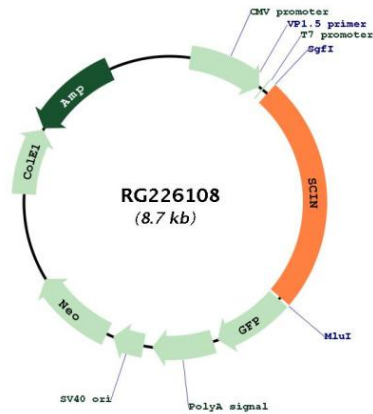
UniProt ID: [Q9Y6U3](#)

Cytogenetics: 7p21.3

Protein Pathways: Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton

Gene Summary: 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 RG226108