

Product datasheet for **RR215497**

Scin (NM_198748) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scin (NM_198748) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scin
Synonyms:	Scind
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR215497 representing NM_198748
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCAGGAGCTGCAGCACCCGAGTTCGCGCGCAGGAAAACAGGCGGGCTGCAAGTGTGGAGGG
 TCGAGAAGCTGGAAGTGTACCGGTGCCCCAGGGTGCCTATGGTACTTTTACGTCGAGACGCCTACCT
 GGTGTTGCACACCACCAAGTCGAGCAGGGGCTTCTCTACCGCTGCACTTCTGGCTGGGAAAGGAGTGT
 TCCCAGGATGAGAGCACGGCAGCGGCCATCTTACCGTCCAGATGGACGACTATTTGGGCGCAAGCCGG
 TGCAGAGCAGAGACTTCAAGGCTATGAGTCGACTGATTTTGTGGCTATTTCAAAGCGGTCTGAAGTA
 CAAGGCCGGAGGTGTGGCTTCTGGACTAAACCATGTCCTACCAATGACCTGACGGCGAAAAGGCTTCTG
 CATGTGAAGGTCGAGAGTGGTCAGGGCCACAGAAGTCCCCTCAGCTGGCAGAGCTTCAACAAGGGCG
 ACTGCTTCATCATTGACCTTGGCACGAAATTTACCAGTGGTGTGGTTCCTCTGCAACAAATATGAGCG
 TCTGAAAGCAAGTCAGGTGGCCACTGGCATCCGGGACAATGAGAGGAAGGAAGATCTCAACTCATTGTG
 GTGGAAGAAGGAAGTGAACCACCAGAGCTCATGAAGGTTTTAGGGAGAAAAGCCTGAACCTCCAGATGGGG
 ACAATGATGATGATGTCATAGCAGACATAAGTAACAGGAAGATGGCGAAACTCTACATGGTTTCAGATGC
 CAGTGGGTCCATGAAAGTGAAGTCTGGTGGCTGAAGAAAACCCGTTCTCCATGGGCATGTTGCTTCTGAA
 GAATGCTTCATTTGGACCATGGTGTGCAAAAACAAATCTTTGTGTGGAAGGTAAGAAATGCTAACCCGC
 AGGAAAGGAAGACTGCCATGAAGACAGCTGAGGAGTTTACACAAAAATGAATATTCTGCCAATACTCA
 AATTACAGTACTTCCAGAAGCGCGGAGACCAATTTCAAACAGTCTTTAAGGATTGGAAGGATAAA
 GACCAGAGTGACGGCTTGGGAAGGTGTACATCACAGAAAAGTGGCTCAAATAAAGCAGATTCCATTTG
 ATGCATCAAACTGCACAGTCTCCGAGATGGCAGCCAGCACAAACATGGTGGATGATGGCTCTGGAGG
 GGTTGGAGATCTGGCGTGTGGAGAACAGTGGTAGGGTCCAGATTGACCCAAGCTCTTATGGTGAGTCTAT
 GGCGGTGACTGCTACATCATCTCTACACTTATCCCAGAGGACAGATCATCTACACGTGGCAAGGGGCAG
 ATGCTACCAGAGACGAGCTGACGATGTCTGCGTTTCTGACTGTTGAGTTGGATCGGTCTCTCGGAGGGCA
 GGCTGTGCAGGTTCTGTGTCTCAAGGCAAGAGCCTGCTCACCTGCTGAGTTTGTCAAAGACAAACCA
 CTCATTATTTATAAGAACGGGACATCTAAGAAAGGAGGGCAGGCACCGGCTCCCCCTACACGCTCTTTC
 AAGTCCGGAGGAACCTGGCATCTACTAGAAATCGTGGAGGTTGATGTGGATACAAATTCATTGAATTC
 TAATGACACTTTTGTCTGAAACTGCCACGAAACAATGGCTTCATCTGGATAGGAAAAGGGGCTAGCCAG
 GAGGAGGAGAAAGGAGCAGAGTATGTGGCTGATGTCCTCAAATGCAAAACCAAGAATTCAGAAGGCA
 AGGAACCAGATGAATCTGGAACCTCTTTGGAGGAAGAGGAGACTACCAGACTTACCATTGCTGGAAC
 ACAGGCTGAAGATCATCCTCCTCGGCTTATGGCTGCTTAACAAAACCTGGAAGATTCATTATTGAAGAA
 GTTCCGGGAGAGTTACCCAGGATGACTTGGCCGAAGATGATGTCATGCTACTTGTGCGTGGGAACAGA
 TCTTCAATTTGGATTGGCAAAGATGCCAATGAAGTTGAGAAAAAGGAATCAGTGAAGTCTGCCAAAATGTA
 CCTTGAGACAGACCCTTCTGGAAGAGACAAGAGGACACCAATGTATCATAAAAACAAGGCCATGAGCCC
 CCCACATTCACAGGCTGGTTTCTGGGCTGGGACTCCAGCAGGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215497 representing NM_198748
 Red=Cloning site Green=Tags(s)

MAQELQHPEFARAGKQAGLQVWRVEKLELVPVPQGAYGDFYVGDAYLVLHTTKSSRGFSYRLHFWLGKEC
 SQDESTAAAIFTVQDDYLGGKPVQSRELQGYESTDFVGYFKGGLKYGAGVASGLNHVLTNDLTAKRLL
 HVKGRVVRATEVPLSWQSFNKGDCFIIDLGTEIYQWCGSSCNKYERLKASQVATGIRDNERKGRSQLIV
 VEEGSEPPPELTKVLRGRPELPGDNDDDVIADISNRKMAKLYMVSDASGSMKVTLVAEENPFMSGMLLPE
 ECFILDHGAAKQIFVWKGKNANPQERKTAMKTAEEFLHKMNYSANTQIQVLPPEGGETPIFKQFFKDWKDK
 DQSDGFGKVVYTEKVAQIKQIPFDASKLHSSPQMAAQHNMVDDGSGGVEIWRVENSGRVQIDPSSYGEFY
 GGDCYIILYTYPRGQIIYTWQGADATRDELTMSAFLTVQLDRSLGGQAVQVRVSGKPEAHLLSLFKDKP
 LIIYKNGTSKGGQAPAPPTRLFQVRRNLASITRIVEVDVDTNSLNSNDTFVLKLPNNNGFIWIGKGASQ
 EEEKGAEYVADV LKCKTTRI QEGKEPDEFWNSLGGRGDYQTSPLLETQAEDHPPRLYGC SNKTGRF IIEE
 VPGEFTQDDLAEDDVMLLD AWEQIFIWIGKDANEVEKESVKS AKMYLETDP SGRDKRTP I V I I K Q G H E P
 PTFTGWFLGWSSRW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_198748

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_198748.1, NP_942043.1

RefSeq Size: 2148 bp

RefSeq ORF: 2148 bp

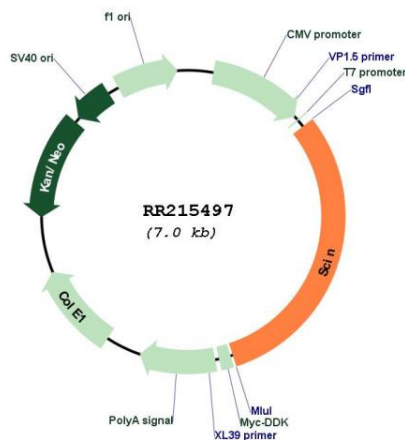
Locus ID: 298975

Cytogenetics: 6q21

MW: 80.2 kDa

Gene Summary: mouse homolog is a calcium dependent, actin-binding and -modulating protein which can be upregulated by the aryl hydrocarbon receptor in response to 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) [RGD, Feb 2006]

Product images:



Circular map for RR215497