

## Product datasheet for **RC231314**

### **SCHIP1 (IQJ-SCHIP1) (NM\_001197113) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SCHIP1 (IQJ-SCHIP1) (NM_001197113) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCHIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC231314 representing NM\_001197113  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGTCTGGAAGAACTGAAAAGATTGCAGAATCCTCTAGAACAAGTTAATGATGAAAAATATTCATTTG  
 AAAATCACCGACTGGCCATGGATGCAGAGAATAATATTGAAAAGTATCCCCTCAATCTACAGCCCTTGGA  
 ATCAAAGGTGAAAATCATTACAGCGAGCATGGCGAGAGTACCTGCAGCGGAGGAGCCCTGGGGAAGAGG  
 AGCCCGTCCCCACCCTCTGTCTCCTCAGAGAAGCTGAGCAGCTCTGTGAGCATGAACACCTTCTCCGACA  
 GCAGCACACCCGATTACCGAGAGGATGGGATGGATCTAGGCAGTGACGCCGAGCAGCAGCAGCAGCAG  
 CCGCGCCAGTTCACAGTCCAACCTCACCAAAAGTACCCTTGTCTCCGAGTGCAAATCTTCATCGTCGCCG  
 GGGGGCAGCTGGACTTGGTGTCTGCCCTGGAGGACTATGAGGAGCCCTCCCGTCTACAGAAGAAGG  
 TGATTGATGAGTGGCGCCGGAGGAGGACGGGGAGGAGGAAGAGGAGGACGAGCGGACCAGCGAGG  
 GTACCGGATGACCGCTCTCCGGCCCGGAACCGGGGACGTAAAGCGCCAGGACCCGAGCGCGCGCGGC  
 GGGGGCAGGAGGCCACCCAGCCATGCCGCCCCCGGTGCCAACGGCAACCTCCACCAGCAGACCCCC  
 AGGACCTCAGGCACAATGGCAACGTGGTGGTGGCTGGCCGGCCGAGCTGTTCCCGGGCCCCCGCGGGC  
 GATCCAAAAGCCCCAGCCGGCTGGGGGGCGGCGCAGTGGCCGGCGCCCGCGGCTGGGGGGCTCTGCCTT  
 CAGCCCCAGACGGCGGGACGTGCGTCCCCGAAGAGCCCCGGTGCCACCTATGGATTGGGAGGCGCTGG  
 AGAAGCATCTGGCCGGGCTGCAGTTCGGGAGCAGGAGGTACGGAACAGGGCCAGGCGAGGACCAACTC  
 CACCTCCGCACAGAAAAATGAGAGAGAGTCTATCAGACAGAAGTTGGCACTTGGAAAGCTTCTTTGATGAT  
 GGCCAGGAATTTATACCAGCTGTAGCAAAAGTGGGAAGCCAAGCCTTCTCCGACTGCAGAGTGGGA  
 TGAATTCAGATATGCTTTGTCAACGACAGTGGCAGTGATAAGGACAGTATGCTGATGACAGTAAGAC  
 TGAACCAGCTTGGACACCCCTTGTCTCCATGAGCAAACAGAGTTCTTCTATTCTGATAGAGACACT  
 ACTGAAGAGGAGTCTGAATCCTTGGATGACATGGACTTCTTACAAGGCAAAAAGAAATTGAAGCTGAAG  
 CCAAAATGGCCCTTGCCATGGCCAAACCAATGGCCAAAATGCAAGTAGAAGTGGAGAAACAGAACAGGAA  
 AAAGTCTCCCGTCTGATCTTCTGCCACATGCCTCATATAAGTGAATGCTTATGAAAAGAAGTTTA  
 AAACCCACCGACTGAGAGACATGACTATTGGGCAGCTACAAGTATGATCAATGATCTCCATCCAGAG  
 TAGAAAGCTTGAATGAAGAGTTGGTCCAGCTGCTTCTCATCCGAGATGAGCTGCACACAGAGCAGGATGC  
 CATGCTGGTGGACATTGAAGACTTGACCAGACATGCTGAAAGTCAGCAGAAGCACATGCCAGAGAAAATG  
 CCTGCAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC231314 representing NM\_001197113  
 Red=Cloning site Green=Tags(s)

MRLEELKRLQNPQVNDGKYSFENHQLAMDAENNIKYPLNLQPLESKVKIIQRAWREYLQRQEPLGKR  
 SPSPSVSSEKLSVVSMNTFSDSSTPDYREDGMDLGSDAGSSSSSRASSQSNSKVTTPCSECKSSSSP  
 GGSLLDLSALEDYEEPPVYQKVIDEWAPEEDGEEEEEDERDQRGRDRSPAREPGDVSARTRSGGG  
 GGRSATTAMPPPVPNGNLHQHDPQDLRHNGNVVAVGRPSCSRGPRRAIQKPQAGRRSRGPAAGGLCL  
 QPPDGGTCVPEEPPVPPMDWEALEKHLAGLQFREQEVNRNQGQARTNSTSAQKNERESIRQKLALGSSFFDD  
 GPGIYTSKSKSGKPSLSSRLQSGMNLQICFVNDSGSDKSDADDSKTETSLDTPLSMKSQSSSYSDRDT  
 TEESESLDDMDFLTRQKQLQAEAKMALAMAKMAKMQVEVEKQNRKSPVADLLPHMPHISECLMKRSL  
 KPTDLRDMTIGQLQVIVNDLHSQIESLNEELVQLLLIRDELHTEQDAMLVDIEDLTRHAESQKHMMAEKM  
 PAK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8067\\_e01.zip](https://cdn.origene.com/chromatograms/mk8067_e01.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001197113

**ORF Size:** 1689 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\\_001197113.1](#), [NP\\_001184042.1](#)

**RefSeq ORF:** 1692 bp

**Locus ID:** 100505385

**UniProt ID:** [Q9P0W5](#)

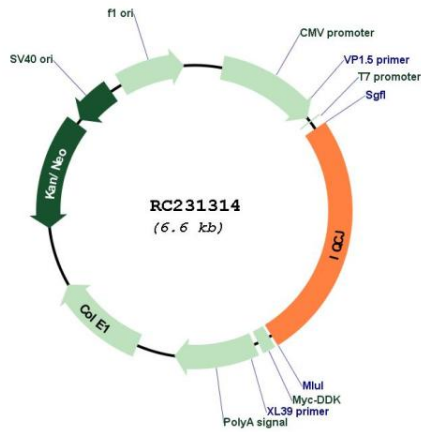
**Cytogenetics:** 3q25.32-q25.33

**MW:** 62.7 kDa

**Gene Summary:**

This locus represents naturally occurring read-through transcription from the neighboring IQ motif containing J (IQJ) and schwannomin interacting protein 1 (SCHIP1) genes. Alternative splicing results in multiple transcript variants that are composed of in-frame exons from each individual gene. The resulting fusion products are thought to be components of the multimolecular complexes of axon initial segments and nodes of Ranvier, and they may play a role in calcium-mediated responses. [provided by RefSeq, Oct 2010]

**Product images:**



Circular map for RC231314