

## Product datasheet for **RG231314**

### **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:	TurboGFP
Symbol:	SCHIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG231314 representing NM\_001197113  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGTCTGGAAGAACTGAAAAGATTGCAGAATCCTCTAGAACAAGTTAATGATGAAAAATATTCATTTG  
 AAAATCACCACTGGCCATGGATGCAGAGAATAATATTGAAAAGTATCCCCTCAATCTACAGCCCTTGGA  
 ATCAAAGGTGAAAATCATTACAGCGAGCATGGCGAGAGTACCTGCAGCGGCAGGAGCCCTGGGGAAGAGG  
 AGCCCGTCCCCACCCTCTGTCTCCTCAGAGAAGCTGAGCAGCTCTGTGAGCATGAACACCTTCTCCGACA  
 GCAGCACACCCGATTACCGAGAGGATGGGATGGATCTAGGCAGTGACGCCGCAGCAGCAGCAGCAGCAG  
 CCGCGCCAGTTACAGTCCAACCTCACCAAAAGTGACCCCTTGCTCCGAGTGCAAATCTTCATCGTCGCCG  
 GGGGGCAGCTGGACTTGGTGTCTGCCCTGGAGGACTATGAGGAGCCCTCCCGGTCTACAGAAGAAGG  
 TGATTGATGAGTGGCGCCGGAGGAGGACGGGGAGGAGGAAGAGGAGGACGAGCGGACCAGCGAGG  
 GTACCGGATGACCGCTCTCCGGCCCGGAACCGGGGACGTAAAGCGCCAGGACCCGAGCGGCGGCGGC  
 GGGGGCAGGAGGCCACCCAGCCATGCCGCCCCCGGTGCCAACGGCAACCTCCACCAGCACACCCCC  
 AGGACCTCAGGCACAATGGCAACGTGGTGGTGGCTGGCCGGCCGAGCTGTTCCCGGGGCCCCCGCGGGC  
 GATCCAAAAGCCCGAGCCGGCTGGGGGGCGGCGCAGTGGCCGGCCCGCGGCTGGGGGGCTCTGCCTT  
 CAGCCCCAGACGGCGGGACGTGCGTCCCCGAAGAGCCCGGTGCCACCTATGGATTGGGAGGCGCTGG  
 AGAAGCATCTGGCCGGGCTGCAGTTCGGGAGCAGGAGGTACGGAACAGGGCCAGGCGAGGACCAACTC  
 CACCTCCGCACAGAAAAATGAGAGAGAGTCTATCAGACAGAAGTTGGCACTTGGAAAGCTTCTTTGATGAT  
 GGCCAGGAATTTATACCAGCTGTAGCAAAAGTGGGAAGCCAAGCCTTCTCCGACTGCAGAGTGGGA  
 TGAATTCAGATATGCTTTGTCAACGACAGTGGCAGTGATAAGGACAGTGTGATGACAGTAAGAC  
 TGAACCAGCTTGGACACCCCTTGTCTCCATGAGCAAACAGAGTTCTTCTATTCTGATAGAGACT  
 ACTGAAGAGGAGTCTGAATCCTTGGATGACATGGACTTCTTACAAGGCAAAAAGAAATTGCAAGCTGAAG  
 CAAAAATGGCCCTTGCCATGGCCAAACCAATGGCCAAAATGCAAGTAGAAGTGGAGAAACAGAACAGGAA  
 AAAGTCTCCCGTCTGATCTTCTGCCACATGCCTCATATAAGTGAATGCTTGTGAAAAGAAGTTTA  
 AAACCCACCGACTGAGAGACATGACTATTGGGCAGCTACAAGTATGATCAATGATCTCCATTCCAGAG  
 TAGAAAGCTTGAATGAAGAGTTGGTCCAGCTGCTTCTCATCCGAGATGAGCTGCACACAGAGCAGGATGC  
 CATGCTGGTGGACATTGAAGACTTGACCAGACATGCTGAAAGTCAGCAGAAGCACATGCCAGAGAAAATG  
 CCTGCAAAG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG231314 representing NM\_001197113  
 Red=Cloning site Green=Tags(s)

MRLEELKRLQNPLEQVNDGKYSFENHQLAMDAENNIKYPLNLQPLESKVKIIQRAWREYLQRQEPLGKR  
 SPSPPSVSSEKLSVVSMNTFSDSSTPDYREDGMDLGSDAGSSSSSRASSQSNSTKVTPCSECKSSSSP  
 GGSLLDLSALEDYEEPPVYQKKVIDEWAPEEDGEEEEEDERDQRYRDRSPAREPGDV SARTRSGGG  
 GGRSATTAMPPPVPNGNLHQHDPQDLRHNGNVVAVGRPSCSRGPRRAIQKPQAPAGRRSRRGPAAGGLCL  
 QPPDGGTCVPEEPPVPPMDWEALEKHLAQLQFREQEVNRNQGQARTNSTSAQKNERESIRQKLALGSFFDD  
 GPGIYTSKSKSGKPSLSSRLQSGMNLQICFVNDSGSDKSDADDSKTETSLDTPLSMSPKSSSYSDRDT  
 TEEESESLDDMDFLTRQKKLQAEAKMALAMAKPMQVEVEKQNRKSPVADLLPHMPHISECLMKRSL  
 KPTDLRDMTIGQLQVIVNDLHSQIESLNEELVQLLLIRDELHTEQDAMLVDIEDLTRHAESQQKHMAEKM  
 PAK

**TRTRPLE** – GFP Tag – V

**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 Size:** 2465 bp

**RefSeq ORF:** 1692 bp

**Locus ID:** 100505385

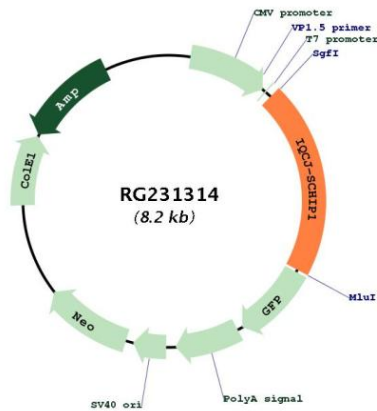
**UniProt ID:** [Q9P0W5](#)

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

**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 RG231314