

Product datasheet for **RC231305**

SCHIP1 (IQJ-SCHIP1) (NM_001197114) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCHIP1 (IQJ-SCHIP1) (NM_001197114) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCHIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC231305 representing NM_001197114
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGTCTGGAAGAACTGAAAAGATTGCAGAATCCTCTAGAACAAGTTAATGATGAAAAATATTCATTTG
 AAAACATTCAGCGAGCATGGCGAGAGTACTGCAGCGGCAGGAGCCCTGGGGAAGAGGAGCCCGTCCCC
 ACCCTCTGTCTCCTCAGAGAAGCTGAGCAGCTCTGTCTCAGCATGAACACCTTCTCCGACAGCAGCACACCC
 GATTACCGAGAGGATGGGATGGATCTAGGCAGTGACGCCGGCAGCAGCAGCAGCAGCAGCAGCCGCGCCAGTT
 CACAGTCCAACCTCACCAAAGTGACCCCTTGTCCGAGTGCAAATCTTCATCGTCGCCGGGGGGCAGCCT
 GGACTTGGTGTCTGCCCTGGAGGACTATGAGGAGCCCTTCCCGTCTACCAGAAGAAGGTGATTGATGAG
 TGGGCGCCGGAGGAGGACGGGGAGGAGGAGGAAGAGGAGGACGAGCGGACCAGCGAGGGTACCGGGATG
 ACCGCTCTCCGGCCGGGAACCGGGGGACGTAAAGCGCCAGGACCCGAGCGGGCGGGCGGGGGCAGGAG
 CGCCACCACCGCCATGCCGCCCGGTGCCAACGGCAACCTCCACCAGCAGACCCCCAGGACCTCAGG
 CACAATGGCAACGTGGTGGTGGCTGGCCGGCCGAGCTGTTCCCGGGGCCCGCCGGGCGATCCAAAAGC
 CCCAGCCGGCTGGGGGCCGGCGCAGTGGCCGGCCCGGGCGGCTGGGGGGCTCTGCCTTACGCCCCAGA
 CGGCGGGACGTGCGTCCCGAAGAGCCCGGTGCCACCTATGGATTGGGAGGCGCTGGAGAAGCATCTG
 GCCGGGTGCAGTTCGGGAGCAGGAGGTACGGAACCAGGGCCAGGCGAGGACCAACTCCACCTCCGCAC
 AGAAAAATGAGAGAGAGTCTATCAGACAGAAGTTGGCACTTGGAAAGTCTTTTGTATGATGGCCAGGAAT
 TTATACAGCTGTAGCAAAAGTGGGAAGCAAGCCTTCTCCGACTGCAGAGTGGGATGAACTTGCGAG
 ATATGCTTTGTCAACGACAGTGGCAGTGATAAGGACAGTGTGCTGATGACAGTAAGACTGAAACAGCT
 TGGACACCCCTTGTCTCCCATGAGCAACAGAGTTCTTCTATCTGATAGAGACACTACTGAAGAGGA
 GTCTGAATCCTTGGATGACATGGACTTCTTACAAGGCAAAAGAAATTGCAAGCTGAAGCCAAAATGGCC
 CTTGCCATGGCCAAACCAATGGCCAAAATGCAAGTAGAAGTGGAGAAACAGAACAGGAAAAAGTCTCCCG
 TCGCTGATCTTCTGCCACACATGCCTCATATAAGTGAATGCTTGTGAAAAGAAGTTTAAAAACCCCGA
 CCTGAGAGACATGACTATTGGGCAGCTACAAGTATAGTCAATGATCTCCATTCCAGATAGAAAGCTTG
 AATGAAGAGTTGGTCCAGCTGCTTCTCATCCGAGATGAGTGCACACAGAGCAGGATGCCATGCTGGTGG
 ACATTGAAGACTTGACCAGACATGCTGAAAGTCAGCAGAAGCACATGGCAGAGAAAATGCCTGCAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC231305 representing NM_001197114
 Red=Cloning site Green=Tags(s)

MRLEELKRLQNPLEQVNDGKYSFENIQRAWREYLQRQEPLGKRSPSPSPVSSEKLSVVSMNTFSDSSTP
 DYREDGMDLGS DAGSSSSSRASSQSNSTKVTPCSEKSSSSPGGSLDLVSALEDYEEFPVYQKKVIDE
 WAPEEDGEEEEEEDERDQRYRDDRSPAREPGDVSARTRSGGGGGRSATTAMPPPVPNGNLHQHDPQDLR
 HNGNVVVVAGRPCSRRPRAIQKQPAGRRSGRGAAGGLCLQPPDGGTVPPEPPVPPMDWEALEKHL
 AGLQFREQEVNRNQARTNSTSAQKNERESIRQKLALGSFFDDPGIYTSCKSKGKPSLSSRLQSGMNLQ
 ICFVNDSGSKDSDADDSKTETSLDTPSPMSKQSSSYSDRDTTEEESESLDDMDFLTRQKQLQAEAKMA
 LAMAKPMAKMQVEVEKQNRKSPVADLLPHMPHISECLMKRSLKPTDLRDMTIGQLQVIVNDLHSQIESL
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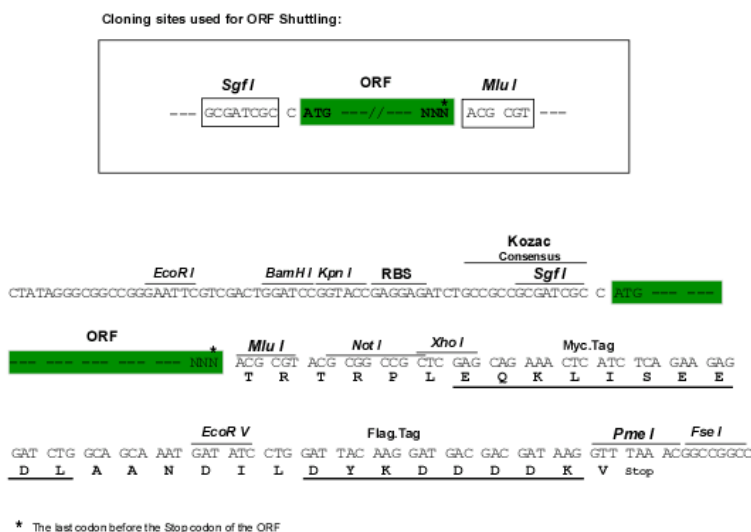
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1408_c09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001197114

ORF Size: 1608 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_001197114.1](#), [NP_001184043.1](#)

RefSeq ORF: 1611 bp

Locus ID: 100505385

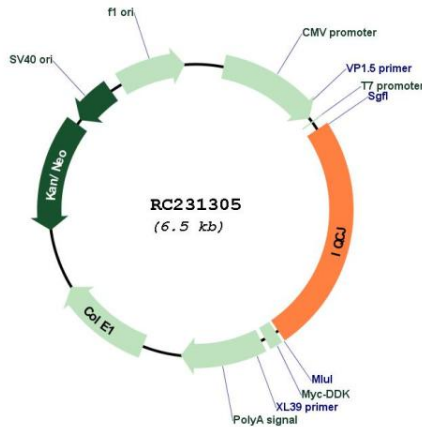
UniProt ID: [Q9P0W5](#)

Cytogenetics: 3q25.32-q25.33

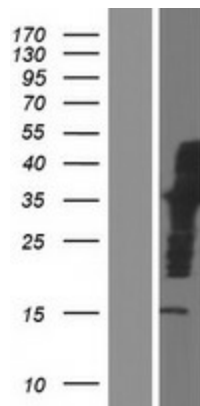
MW: 59.6 kDa

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]

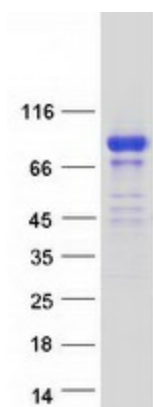
Product images:



Circular map for RC231305



Western blot validation of overexpression lysate (Cat# [LY434304]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231305 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified IQJ-SCHIP1 protein (Cat# [TP331305]). The protein was produced from HEK293T cells transfected with IQJ-SCHIP1 cDNA clone (Cat# RC231305) using MegaTran 2.0 (Cat# [TT210002]).