

## Product datasheet for RC229449

### Intersectin 2 (ITSN2) (NM\_006277) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Intersectin 2 (ITSN2) (NM_006277) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Intersectin 2
Synonyms:	PRO2015; SH3D1B; SH3P18; SWA; SWAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229449 representing NM_006277 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGCTCAGTTTCCACAGCTATGAATGGAGGGCCAAACATGTGGGCTATTACCTCTGAAGAACGTA  
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CTTCATCTTGAGTTGGAAGCACTGAATGGCAAACATCAGCAGATCTCAGGCAGACTTCAGGATGTCCGAC  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
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**Protein Sequence:**

>RC229449 representing NM\_006277  
Red=Cloning site Green=Tags(s)

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LIDLGSSSSTASL SGNPKTGTSEWAVPQPTRLKYRQKFNTLDKSMGYL SGFQARNALLQSNLSQT  
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QQWCADLQTLDTMQPIERKRQGYIHEL IQTEERYMADLQLVVEVFQKRMASGFLTEGEMALIFVNWKEL  
IMSNTKLLKALRVRKKTGGKMPVQMGIDILAAELSHMQAYIRFCSCQLNGAALLQKKTDED TDFKEFLK  
KLASDPRCKGMP LSSFLLKPMQRI TRYPLLIRSILENTPESHADHSSLK LALERA EELCSQVNEG VREKE  
NSDRLEWIQAHVQCEGLAEQLIFNSL TNCLGPRKLLHSGKLYKTKSNKELHGFLFND FLLLTYMVKQFAV  
SSGSEKLFSSKSNAQFKMYKTPIFLNEVLVKLPTDPSSDEPVFHI SHIDRVYTLRTDNINERTAWVQKIK  
AASEQYIDTEKKKREKAYQARSQKTS GIGRLMVHVEATELKACKPNGKSNPYCEISMGSQSYTTRTIQD  
TLNPKWNFNCQFFIKDL YQDVLCLTLFDRDQFSPDDFLGRTEIPVAKIRTEQESKGPMTRRLLLHEVPTG  
EVWVRFDLQLFEQKTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8035\\_d11.zip](https://cdn.origene.com/chromatograms/mk8035_d11.zip)

**Restriction Sites:**

SgfI-MluI



**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\\_006277.3](#)

**RefSeq ORF:** 5094 bp

**Locus ID:** 50618

**UniProt ID:** [Q9NZM3](#)

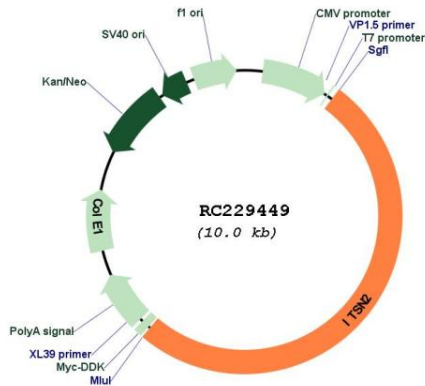
**Cytogenetics:** 2p23.3

**Protein Families:** Druggable Genome

**MW:** 193.3 kDa

**Gene Summary:** This gene encodes a cytoplasmic protein which contains SH3 domains. This protein is a member of a family of proteins involved in clathrin-mediated endocytosis. Intersectin 2 is thought to regulate the formation of clathrin-coated vesicles and also may function in the induction of T cell antigen receptor (TCR) endocytosis. [provided by RefSeq, Jan 2017]

**Product images:**



Circular map for RC229449