

## Product datasheet for RC222982

### Intersectin 1 (ITSN1) (NM\_001001132) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Intersectin 1 (ITSN1) (NM_001001132) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ITSN1
Synonyms:	ITSN; SH3D1A; SH3P17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC222982 representing NM_001001132 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC222982 representing NM\_001001132  
 Red=Cloning site Green=Tags(s)

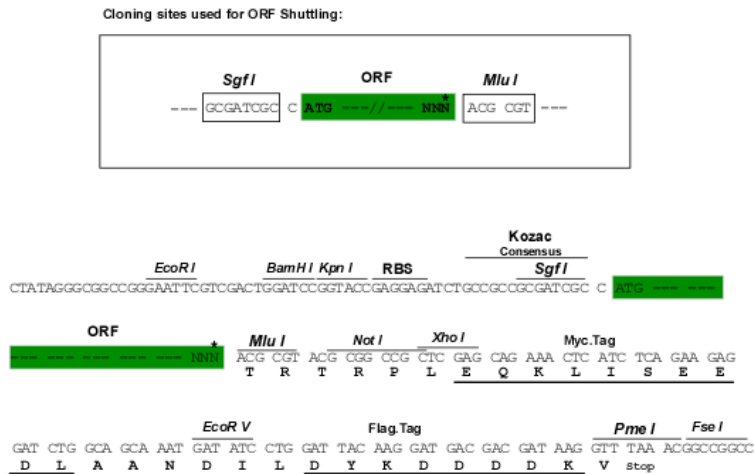
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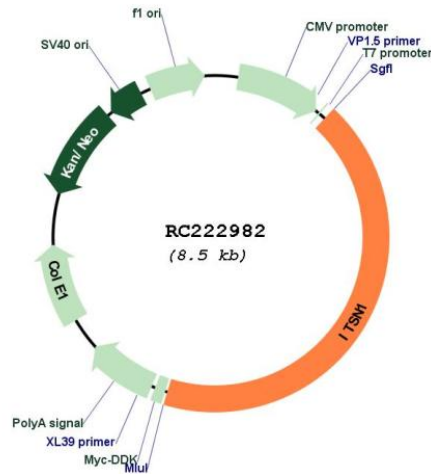
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001001132

**ORF Size:** 3660 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\\_001001132.2](#)

**RefSeq Size:** 5451 bp

**RefSeq ORF:** 3663 bp

**Locus ID:** 6453

**UniProt ID:** [Q15811](#)

**Cytogenetics:** 21q22.11

**MW:** 137.5 kDa

**Gene Summary:** The protein encoded by this gene is a cytoplasmic membrane-associated protein that indirectly coordinates endocytic membrane traffic with the actin assembly machinery. In addition, the encoded protein may regulate the formation of clathrin-coated vesicles and could be involved in synaptic vesicle recycling. This protein has been shown to interact with dynamin, CDC42, SNAP23, SNAP25, SPIN90, EPS15, EPN1, EPN2, and STN2. Multiple transcript variants encoding different isoforms have been found for this gene, but the full-length nature of only two of them have been characterized so far. [provided by RefSeq, Jul 2008]