

Product datasheet for **SC300159**

Intersectin 1 (ITSN1) (NM_001001132) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Intersectin 1 (ITSN1) (NM_001001132) Human Untagged Clone
Tag:	Tag Free
Symbol:	Intersectin 1
Synonyms:	ITSN; SH3D1A; SH3P17
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001001132, the custom clone sequence may differ by one or more nucleotides

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ATGGCTCAGTTTCCAACACCTTTTGGTGGCAGCCTGGATATCTGGGCCATAACTGTAGAG
GAAAGAGCGAAGCATGATCAGCAGTTCCATAGTTTAAAGCCAATATCTGGATTCACTACT
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CACCTACGAGACCAACTGGATGAAGTGGAGAAAGAACTAGATCAAACTACAGGAGATT
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ATCATCAACGTCTCAACAAGGAGGACCCTGACTGGTGGAAAGGAGAAGTCAATGGACAA
GTGGGGCTCTTCCATCCAATTATGTGAAGCTGACCACAGACATGGACCAAGCCAGCAA
TGA

- Restriction Sites:** Please inquire
- ACCN:** NM_001001132
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001001132.1](#), [NP_001001132.1](#)

RefSeq Size: 5451 bp

RefSeq ORF: 3663 bp

Locus ID: 6453

UniProt ID: [Q15811](#)

Cytogenetics: 21q22.11

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]
Transcript Variant: This variant (2) differs in the 3' UTR and coding region compared to variant 1. The resulting isoform (ITSN-s) is shorter at the C-terminus compared to isoform ITSN-l.