

Product datasheet for **SC309939**

Intersectin 2 (ITSN2) (NM_147152) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Intersectin 2 (ITSN2) (NM_147152) Human Untagged Clone
Tag:	Tag Free
Symbol:	Intersectin 2
Synonyms:	PRO2015; SH3D1B; SH3P18; SWA; SWAP
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_147152, the custom clone sequence may differ by one or more nucleotides

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ATGATGGCTCAGTTCCACAGCTATGAATGGAGGGCCAAACATGTGGGCTATTACCTCT
GAAGAACGTACTAAGCATGACAGGCAGTTTGATAACCTCAAACCTTCAGGAGGTTACATA
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TCTGTTAGCACATCATCATTACCAAATGGAACCGCCAGTCTCATTAGCCTTTACCCATT
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CTTCATAAAAAATCATTAGAAAAGGAAGATTATGCCAAAGACTTAAAGAACAGTTAGAT
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AGTATTGGAGATAGAAGTGGAAATTTTCCATCAAATATGTCAAACCAAAGGATCAAGAG
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GACACAATGCAGCAATTGAGAGGAAAGACAGGGCTATATTCATGAGCTGATTGAGACC
GAAGAGCGGTACATGGCTGACCTTCAGCTCGTCGTCGAGGTGAGGAGGCTGCTGTGGCT
AGCTCTCGGGGTATCTGCTGTCTCTCATGA

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Restriction Sites:	Please inquire
ACCN:	NM_147152
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_147152.1](#), [NP_671494.1](#)

RefSeq Size: 4558 bp

RefSeq ORF: 3747 bp

Locus ID: 50618

UniProt ID: [Q9NZM3](#)

Cytogenetics: 2p23.3

Domains: EH, SH3, EFh

Protein Families: Druggable Genome

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]
 Transcript Variant: This variant (2), also known as ITSN2-S1, has an alternate 3' coding region and 3' UTR compared to variant 1. The resulting protein (isoform 2) has a distinct C-terminus, compared to isoform 1.