

Product datasheet for RC229421

Intersectin 2 (ITSN2) (NM_147152) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Intersectin 2 (ITSN2) (NM_147152) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ITSN2
Synonyms:	PRO2015; SH3D1B; SH3P18; SWA; SWAP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC229421 representing NM_147152 Red=Cloning site Blue=ORF Green=Tags(s)

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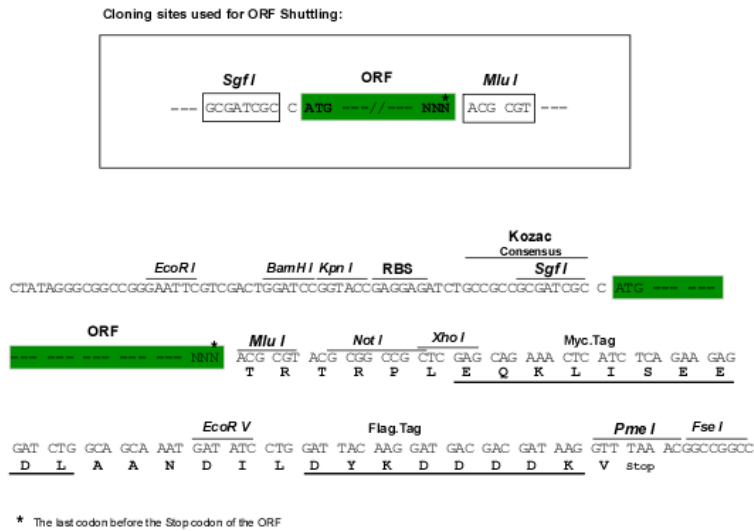
Protein Sequence: >RC229421 representing NM_147152
 Red=Cloning site Green=Tags(s)

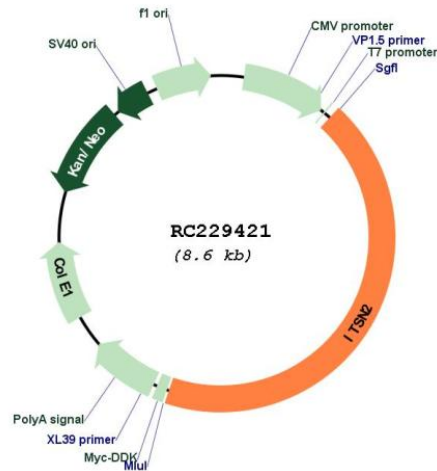
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_147152

ORF Size: 3747 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_147152.3](#)

RefSeq ORF: 3750 bp

Locus ID: 50618

UniProt ID: [Q9NZM3](#)

Cytogenetics: 2p23.3

Domains: EH, SH3, EFh

Protein Families: Druggable Genome

MW: 141.6 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]