

Product datasheet for **SC315048**

SNX19 (NM_014758) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNX19 (NM_014758) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNX19
Synonyms:	CHET8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_014758 edited

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GTGGGCCCCAGGGCCTTGACGCGCCCGCCCGAGGCCCGAAGAGGCCTTCCGCCTGGGG
CAGTGTGAAGGCCACAGAGTTTTCTCCAAAGCCACACCTCAGCTGGAAGGGGCGAGTTG
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ACTTTTTCATCACAAAAA
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Restriction Sites:

Please inquire

ACCN:

NM_014758

Insert Size:

5800 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

The ORF of this clone has been fully sequenced and found to be a perfect match to the ORF of NM_014758.1.

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:	<u>NM_014758.1, NP_055573.1</u>
RefSeq Size:	6049 bp
RefSeq ORF:	2979 bp
Locus ID:	399979
UniProt ID:	<u>Q92543</u>
Cytogenetics:	11q24.3
Domains:	PX, PXA
Protein Families:	Transmembrane
Gene Summary:	Islet antigen-2 (IA-2) is an autoantigen in type 1 diabetes and plays a role in insulin secretion. IA-2 is found in dense-core secretory vesicles and interacts with the product of this gene, a sorting nexin. In mouse pancreatic beta-cells, the encoded protein influenced insulin secretion by stabilizing the number of dense-core secretory vesicles. [provided by RefSeq, Dec 2016] Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.