

Product datasheet for MC223029

Snx19 (NM_028874) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snx19 (NM_028874) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Snx19
Synonyms:	3526401K03Rik; AI195321; AI848208; mKIAA0254
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223029 representing NM_028874 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGCACAAACAGTGTCCCTACCCAGGGGACTATCTCCGAGTCCAGTTATGTCCACAGCAATCTAT
GGAGTAGCCGGAAGCTAATGATCGTGGGGTCTTGGTGGGCTGGCTACTGGTCATCCACCTTCTGGTCAA
CATGTGGCTTCTGATCCTTCTATGTGCATCGTGGTAGCGCTGGGAGGATGGCTGGGCTCCACTGCCATC
CTAGGGGCTTCAAGTCAATTGCACCTGGAACGATTCAATACCATCACCACCTGTCCTCCATGTCCCAGG
CAGAAAGGCAGCTGGAACAGGAGATTAACCGCACTATCCAGATGATTATCCGAGACTTCGTGTTATCCTG
GTATCGTTCTGTGAGCCATGAGCCGGCCTTCGAGGCAGAGATGGAGGCAGCCATGAAAGGTTGGTTCAG
GAGCTTCGAAGGCGGATGAGCATAGTGGACAGCCATGCTCTTACCCAGAGGGTTCTGACTCTCTGTGGTT
GTCACCTGCAGAGCTATATTCAGGCAAAGGAGGCTACTGCAAAGGAGCAGAGCTGTCCAGTTCAGCCCTC
CCAGCTGTGGGATGCTTACTGCCAGGTTACAGTCCCCATCCTGCCATGAGCTGTCCCACCACGGAGGTC
ACTTATGCACGTGGCATTGTGAACCTGATACTAAAAGAGTTAGTGCCCAAGCCCCACCTGGAGACGAGGA
CTGGAGCCACGTTGTGGTTGAAGTTATTACTTGAATGTCATCTTACCCTGATCAGCAAGCTATCAGA
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AAACCCCTGCTCATCCAGTGTCTAGAGCAGCCCTCGGTGCCACATCTCTGCCATTGATTGTTGAAG
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AAAAAAGTAGGAAATAGCTCATCCATTTTCTACAGCCAGATATCCGAGGCCCTTGTCTTATGTGAAG
ACTCAGAACTGGAGTCACCACTGTCTGAACTGAGCAAAGAAACCATCCTGCTAATGACCCAGGCAACTT
CCTTTCTGACAGGATTCAAGATGCTCTGTGTGCCCTAGACGACTCCGGGGCTCTGGAGCCTAAGGATGGC
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TGGTCTCCGTGCTTAATTGCCAGAGATCCAGATTGACACAGCAGACAAGGAGGTGGAGCAAGGAGATGA
CACCTCTTACAGCTTTGCTGGAGGAACCAGAAAACCTGCCCTACGGCCCTCATGTTAGACAAA



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GATCTCGCCAGTGGTGTGTGCTCCCTTGAACCTGCTATGCCCCAGTGCCTCTTTCCTCCTCCACCTG
GTCTCTCAGCTCAGCCACCTTCAGCTTCGAGTCCCTGAGCAGTCCAGACGGCCCGTTGTATCCAGAA
CCTTCGAATCACTGGCACCATCACTGCCCGAGAGCACAGTGGGACTGGATTCCACCCATACACACTGTAC
ACTGTGAAGTACGAGACTGTCTTAATGGCGAGAACAGCAGCGGCCTACAGCAGCTGGCCTATCACACCG
TGAACCGCGCTACCGGGAGTCTTGAATCTGCAGACCCGCTGGAGGAGAAACCAGATCTACGAAAGTT
TATCAAAAATGTGAAGGGTCAAAAAAGCTCTTCCAGATCTCCGTTTGGAAACATGGATAGTGACAGA
GTAGAAGCCAGGAAGAGCCTCCTGGAGTATTCTGAAGCAACTCTGCCATTCTGAGATTGGCAACA
GTGAGGAGGTGCAGGAGTTCCTTGCTCTGAACACAGATGCTCGGATTGCCTTTGTCAAGAAACCATTCA
GGTCTCTAGGATAGACAAGATGGTGGTGGTATCGTGGACACCTGAAGACAGCATTTCCTCGCTCT
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AGGCTAGCAAGTCCAGACTGAGGTTTTTCATCCAGTAAAATTGCCCTGCACTGAGTATAGCCGAGGCACA
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AAGTGCCCAAAGAATATGTGGATAGCGGTCTGCTGGACAAAGCTGTGGTAGCCAAAGAGCTCAACAAGAG
TGGCCCGGAACGGAGACAGAGTTAGCCGACACGGCCTTTGATCTGATCCTCCTGCTGTTGATGGAGCAA
TGGAAAGTGGCTGTGTACTGAAAGCATGCAGAAGTTCCTCCACATTATTTTGGCACACTAGTTCAGAGGT
GGCTAGAAGTGCAGGTGGCTAATCTAACATGTCCCAGCGCTGGGCACAGTACCTCCATCTTCTCGGGA
ATCTATCTGGCCTGGTGGAGTGTGCCCAAGTTTCCACGGCTGGAAGGACGCAGGCACAGAAAGCAGCT
ACGGAGAAGCAGGCTTTCAGAGCTTGATGGATCTCCTCCAGATTTTTTGGTAGAAATCCTGGGAGTGA
ACAAGTGTGGCTGAGCTGGAGTCTTGTCTGGAGTATTCCAGCAGCCCTCATCAACAGACATTTGAT
TTACTGCCTTGGAGACATTATCCTGGAGTTGCTGGACCTCAGTGCCTCTGTTGAAGAGTGTGCCCCAGCT
ACCTCTGCCTCAGATTCCCCAGGAAGCCTCAAGAAGATGGCTGTCTCCACTTAG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:

SgfI-MluI

ACCN:

NM_028874

Insert Size:

2994 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](#)

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_028874.2](#), [NP_083150.1](#)

RefSeq Size: 5541 bp

RefSeq ORF: 2994 bp

Locus ID: 102607

UniProt ID: [Q6P4T1](#)

Cytogenetics: 9 A4

Gene Summary: Plays a role in intracellular vesicle trafficking and exocytosis (PubMed:24843546). May play a role in maintaining insulin-containing dense core vesicles in pancreatic beta-cells and in preventing their degradation. May play a role in insulin secretion (PubMed:24843546). Interacts with membranes containing phosphatidylinositol 3-phosphate (PtdIns(3P)) (PubMed:25148684).[UniProtKB/Swiss-Prot Function]