

Product datasheet for **RR204824**

Snx20 (NM_001024999) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snx20 (NM_001024999) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Snx20
Synonyms: RGD1307787; Slic1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR204824 representing NM_001024999
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAAGTCCACAGCATCCTGGGGCCCTGGCTGGACAGGACCCAGAAACCAATGCATAACAAGGACCA
 GACAGGAAGTCTGCCCCAGGTCCAGACCTCCCATGTCCAGGCCAGAAGAAGCCCAAGATGGTCCCAC
 CTCCAACCTCAACATGACCACAAGGGAGCTACAGGAACACTGGCAGAAGGAAAAGAGCCGCTGGAAACAC
 GTCAGGCTCCTCTTTGAGATCGCCTCAGCCAGAATCGAGGAGAGGAAAGTCTCCAAGTTTGATGTACC
 AGGTCGTGGTCACTCCAGACTGGGAGCTTCGACAGCGACAAGGCTGTGGTGGAGCGCGCTACTCGGACTT
 CGAGAGGCTGCAGAGGGCCCTCCTGAAGCGCTTCGGGCCGGAGCTGGAGGACGTGACGTTCCCGCGGAAG
 CGCCTGACCGGGAACCTGTGGCCGAGACCATCTGCGAACGGCGCCTGGAGCTGCGCGAGTACCTGCGGC
 TGCTGTACGCCGTGCGCGCCGTGCGCCGCTCGCGCGAGTTCGCGACTTCCTTACGCGGCCCGAGCTGTG
 CGAGGCCCTTCGGCTGCCTGCGCGCCGGCCAGTACGCGCGCGCTCGACCTGCTGGGCCGCGTGGTGCCG
 CTGCAGGAGAAGCTCACGGCGCACTGCCGAGCGCTCCGTGCCCTGCTCTGCGCCATGCTCGTGTGCC
 TGCGCGACCTGGAGCGGCCGGCCGAGGCCTTCGCGGTGCGCGAGCGCGCTGCGACGCTGGGGGCGCG
 CGAGAGCCACCGCTACTACGCGCCGCTGCTGGACGCCATGGTGCCTGGCTACGCGCTGGGCAAGGAC
 TTGGCGTCGCTGCAGGGCCGGCTGGATGAGAGCCAGCTCCGGAGGCCACACAGGGGCCACCCTGA
 AGGAGCTACCGTGCGGGAGTATCTGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204824 representing NM_001024999
Red=Cloning site Green=Tags(s)

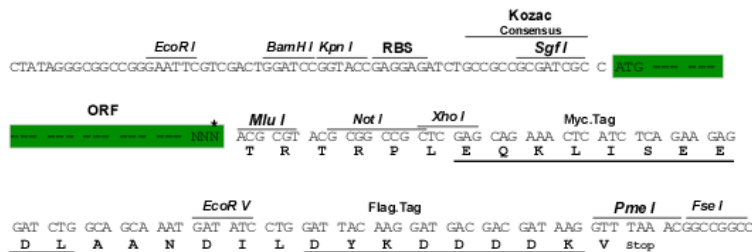
MASPQHPPGGPGWTGPRNQCI TRTRQEVLP PGPDLPCPGPEEAQDGPTSNSNMTTRELQEHWQKEKSRWKH
 VRLLEIASARIEERKVKSKFVYQVVVIQTGSFSDKAVVERRYSDFERLQRALLKRFGPELEDVTFPRK
 RL TGNLSAETICERRLELREYLRLLYAVRAVRRSREFADFLTRPELCEAFGCLRAGQYARALDLLGRVVP
 LQEKLTAHCPSPVPALCAMLVCLRDLERPAEAFAVGERALRRLGARESHRYYPALLDAMVRLAYALGKD
 LASLQGRLEDSQLRRP THR GATL K E L T V R E Y L S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001024999

ORF Size: 939 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_001024999.1](#), [NP_001020170.1](#)

RefSeq Size: 1393 bp

RefSeq ORF: 942 bp

Locus ID: 307742

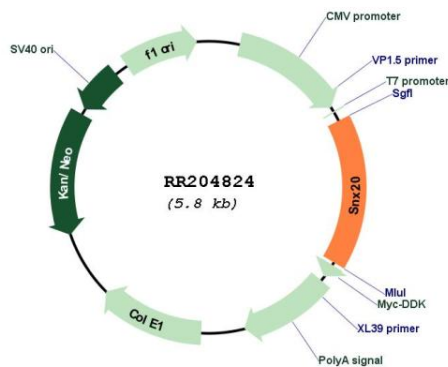
UniProt ID: [Q5BK61](#)

Cytogenetics: 19p11

MW: 35.7 kDa

Gene Summary: May play a role in cellular vesicle trafficking. Has been proposed to function as a sorting protein that targets SELPLG into endosomes, but has no effect on SELPLG internalization from the cell surface, or on SELPLG-mediated cell-cell adhesion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR204824