

Product datasheet for **RN206813**

Sytl4 (NM_080410) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sytl4 (NM_080410) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sytl4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN206813 representing NM_080410
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGAGATACTAGACCTCTCTTTCTGTCTGAGATGGAAGAGATTTGATTCTCAGTGTCTGCAGA
 GAGATGAAGAGCTCAGAAAAGCAGATGAGAAAAGGATTTCGGCGACTGAAGAACGAGCTCCTGGAGATCAA
 ACGAAAAGGTGCCAAAAGGGGCAGCCAACACTACAGTGATCGAACCTGTGCCAGGTGCCAGGAAGGCCTG
 GGCCGTTTAATTTCCAAAAGCAACACTTGTGTGGGTTGTAATCATTTAGTGTGCCGAGAATGCCAGTTC
 TGGAGAGCAATGGCTCCTGGAGGTGCAAGGTGTGCTCGAAGGAAATAGAGCTGAAGAAAGCAACTGGAGA
 TTGGTTTTATGACCAGAAAGTAAATCGCTTTGCTTACAGAACAGGCAGCGACATCATCAGGATGTCCCTG
 CGCCGTAAGCCTGCAGTGAATAAAAGAGAGACAGTGGGGCAGTCCCTCCTCAGCAGACCCAGATGGGTG
 ATATCTGGCCGGGAAGAAGGATCATTAGGAACAGCAGAAAGGAACAAAGTGTGCTGTTTGAAGTCCAAA
 GCTGAAGAGTGGAAAGAGCGCACTGGAGGCTGAGAGCGAGAGTCTGGATAGCTACACCGTACTCGGAC
 AGCACCTCCAGGAGAGATTCTCTGGATAAATCTGGACTCTCCAGAAATGGAAAGAAGATGTCTGCTCCCA
 AATCTCAAGTTGAAAAGGAAATTGCACCAAGGAACCCAGAAATGCAGTGTGTGGTGTGAGGGTGACATGAT
 ATTTAAGAAGAACAAGTCTAGGAAAGTCTGAGGCCTTCCAGAACTAAGTCTGTGATAGACCTTCGTCCA
 GAAGATGTGGCCAAAGAAAGTGGCATCTTGGGAGATAGAAGCAAACTGTACCAGGCCTCAGTGTGGATA
 TGGAAAGACGAGGAGGAGGAGGAAGGACATTGACCACCTGGTGAAGTTGCATCGCCAGAAAAGTGGCCAG
 AGGCAGCATGCAGAGCGGCTCCTCCATGAGTACCATTGGCAGCATGATGAGCCTCTATAGCGAAGCTGGT
 GATTTTGGGAACGTCTCTGTGACTGGCAAAATTCCTTTTCACTGAAGTTTGGAGCAAAAACACAGACTC
 TGGTCCATGTCAAGGAGTCCACAGTTGGCTTATGCTGATGAAGCCAAGAAGCGTTCTAACCATA
 CGTGAAGACTTATCTTCTGCCTGACAAGTCCCGCCAAGGAAAAAGAAAAACCAGCATCAAGCGGGACACC
 ATCAATCCAATATGATGAGACCTTTCGGTATGAGATTTTCGGAGTCTCTTCTGGCTCAGAGGACCTTGC
 AGTTTTCCGTTTGGCATCATGGTCGTTTCGGTAGAAAACACCTTCCCTTGGAGAGGCGGAGGTCCACATGGA
 CTCTTGGAAAGCTGGATAAGAAGCTGGATCATTGCCTCCCTTTACATGGAAGATCAGTACTGAGTCTCG
 CCTGGTTTGCAGCACACAAAGGCGAGTTGGTGGTTTCATTGAAATACATCCCAGCCTCCAAACTCCCTG
 TTGGAGGTGACCGAAAAAGAGTAAAGGTGGGGAAGGGGAGAAGTCCAGGTGTGGATCAAAGAAGCCAA
 GAACCTGACGGCTGCCAAATCAGGAGGGACATCAGACAGCTTTGTCAAGGGATACCTCCTCCCATGAGG
 AACAAGGCCAGTAAGCGTAAACTCCTGTGATGAAGAAGACCTTGAATCCCCTACAACCACACATTTG
 TCTACAATGGTGTGAGGCTGGAAGATCTACAACACATGTGCCTGGAAGTACTGTATGGGACCGGGAGCC
 CCTGGCCAGCAATGACTTCTGGGAGGGTTCAGACTGGGTGTTGGCACTGGGATCAGTAGTGGCGAAGTG
 GTGGACTGGATGGATTGACTGGTGAAGAAGTAAGCCTGTGGCAGAAGATGCGACAGTACCCAGGGTCTT
 GGGCAGAAGGAAGTCTGCAGTACGTTCTTCAATGGTCAAGCAGAAGCTGGGTGT**ATGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_080410
Insert Size: 2019 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_080410.1](#), [NP_536335.1](#)

RefSeq Size: 2019 bp

RefSeq ORF: 2019 bp

Locus ID: 140594

UniProt ID: [Q8VHQ7](#)

Cytogenetics: Xq32

Gene Summary: binds small GTP-binding protein Rab3 and SNARE-binding protein Munc-18; plays a role in pancreatic beta cell exocytosis; may also be involved in secretory vesicle docking [RGD, Feb 2006]