

Product datasheet for MC211967

Sytl2 (NM_001040087) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sytl2 (NM_001040087) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sytl2
Synonyms: A1266830; mKIAA1597; Slp2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211967 representing NM_001040087
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAAGTCCGTGCCAGCATTTCTTCAAGATGAGAGCGATGACAGAGAAACAGACACAGCATCAGAGA
 GCAGCTACCAGCTCAGGAGATACAAGAAGACGCCAGCTCATTAAACCAATCTTAGCAGCTCCTCTGGCAT
 GACGTCCTTGTCCTCTGCGAGTGGCAGTGTGATGAGCGTTTACAGTGGAGACTTTGGCAACCTAGAAGTG
 AAAGGAAGCGTGCAGTTTGCACCTCGACTACGTGGAGTCCCTGAAAGAGCTGCATGTGTTTGTGGCCAGT
 GTAAGGATTTAGCAGCAGCAGATGTTAAGAAACAGCGCTCAGATCCGTATGTAAGACCTATCTGCTACC
 AGACAAAGGCAAAATGGGCAAGAAGAAGACACTCGTAGTGAAGAAGACCTTGAATCCTGTATACAACGAG
 ATATTGCGGTATAAAATTGAAAGGCAATTCTTAAAGACGCAGAAGTTGAACCTGTCCGTTTGGCATCGGG
 ATACATTTAAGCGCAACAGCTTTCTGGGGAGGTGGAGCTCGACCTGGAAACGTGGGATTGGGACAGCAA
 ACAGAACAAACAGCTGAAGTGGTACCCACTGAAGAGGAAGACAGCACCAGTTGCCCTCGAGACAGAAAAC
 AGAGGTGAAATGAACTAGCTCTCCAGTATGTTCCGGAACCAAGCCCTGGCAAAAAGCTTCTACAACCTG
 GAGAAGTCCACATCTGGGTGAAGGAATGCCTTGACCTCCACTGTTGAGGGGCAGCCACCTAAATTCCTT
 TGTTAAATGTACCATCCTTCCAGATACCAGTAGAAAAAGTCGCCAGAAGACAAGAGCTGTAGGGAAAACC
 ACCAACCCCGTCTTCAACCATACCATGGTGTATGATGGGTTTCAGGCCCTGAAGATCTGATGGAAGCCTGTG
 TAGAACTCACAGTCTGGGACATTATAAACTAACCAACCAGTTTCTGGGAGGTCTCCGGATCGGCTTTGG
 AACAGGAAAAAGCTACGGGACTGAAGTGGATTGGATGGATTCTACTTCTGAGGAAGTTGCTCTGGGAG
 AAGATGGTAAACTCTCCAACACTTGGGTTGAAGCGACGCTGCCCTCCGGATGCTTCTGATTGCCAAGC
 TTTCCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001040087
Insert Size:	1131 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_001040087.2</u> , <u>NP_001035176.1</u>
RefSeq Size:	2938 bp
RefSeq ORF:	1131 bp
Locus ID:	83671
UniProt ID:	<u>Q99N50</u>
Cytogenetics:	7 E1
Gene Summary:	<p>Isoform 11 acts as a RAB27A effector protein and plays a role in cytotoxic granule exocytosis in lymphocytes. Required for cytotoxic granule docking at the immunologic synapse. Isoform 1 may play a role in melanosome transport and vesicle trafficking. It controls melanosome distribution in the cell periphery and regulates melanocyte morphology. Isoform 1 acts as a positive mediator of mucus secretion by the surface mucus cells of the stomach. Mediates basal mucus secretion by gastric surface cells by promoting the proper granule biogenesis and docking of mucus granules with the apical plasma membrane.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) lacks several 5' exons but contains an alternate 5' exon, and it thus differs in its 5' UTR, lacks a portion of the 5' coding region, and initiates translation from a downstream in-frame start codon, compared to variant 6. The encoded isoform (4, also known as Slp2-c) is shorter at the N-terminus, compared to isoform 6. Both variants 4 and 9 encode isoform 4.</p>