

Product datasheet for **MC229204**

Sytl2 (NM_001289583) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sytl2 (NM_001289583) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sytl2
Synonyms:	A1266830; mKIAA1597; SIp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC229204 representing NM_001289583
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCGACTTAAGTTTCTGACAGAGGAGGAGCAAGACGCCATCTTAAAGTTCTGCAGAGGGATGCTG
 CCCTGAAGAGGGCTGAAGAGGAGAGAGTACAGACATCTGCCTGAAAAAATTAAGGATGACCAACAATAA
 GAATATGAGTGGCCAATGGTTTTATGAAGCTAAGGCAAAAAGACACAGGGACAAAATCCACGGTGTGAC
 ATCATCAGAGCATCCATGAGAAGGAAGAAGCTCCAGCGGCAGCTGAGCAGAATAAGGACACAGCAATGA
 GGGCAAAGGAGAGCTGGGTGAATAATGTTAACAAAGATGCTGTCTTCTCCAGAGATAGCTGTTGTGGA
 AGAGCCAGAAGATGACACAGATCCCGCAGGCCAAAGTTCCAGTTTGGTGGATCCAGCTTCCAGTGTGATT
 GATATGTCCAGGAAAGTACGAGGACTCCAGCTGTGTCTCTGCCAAGCAAAGGAAGAATCCATTCAACA
 GCCCAAGCTGCCGAAGATCACTCCTTGAACAAACCAACCCGAGCAGTCAAAAAGTGGAAAAGCTGG
 TTTATTTAGATTTCAAAAGAGGGTGGATTGTGAGAATCAAAGAAAAGTCACTATCCAGATATGCCA
 CGTCAGCAGTTAGAGAAAACCAAGCAAACCTGTATCCACAGAGCCTGAAAAATGCGTCTCATACCAAAGCTC
 CAATCCCCAAAGCCAGAAAACCTGATCTACAAATCAAATGACTTAGAGAAAAGATGATAACCAAGTCTTTTCC
 CAGACAACGGAGGGACTCCCTGAATGCGAGAGGGGCTCCAAGAGGGATCCTAAAGCGCAACTCCAGTTCC
 AGCAGCACGGACTCAGAGACCCTCCGTTTAAATTAACAACCTTGATCCGAAAAGCAAAAATCCTATCACCTG
 GCCTAACCATCCACGAGAGAATCTCTGAGAAGGAATTTCTTTAGAAAGCAGACTCTTCCACAAGCTCACT
 AGAGCCGTTAAGCACGTGAGATTCTCTGCCGTGAAGAATGAGCTTCCACAAAGTCTAGACCCGTCCTT
 GGCCAGGAAGTGGGAGAAATTTACTGTTTGAATCTGACCAGTTGCAAAAAGTGAAGTCAAGATGCAGGGG
 ACATAGAGGAGTTTCAAGATCACCCAGAGCTCTCCACAAAACACCTTTGTCTCATTATAGTTAGTGTCTC
 AAGCCCCAAGCGATTACAGGAAGGGAAAGAGAACAGCTGATGTCTTCTGGGTCTGCTCCAAGAGATGAGATC
 CCTTGTCAATTCAGACATTCTACCCACAGACCTCAGTGTGTTGAGAGTTCATCCGTCATCAATGGGAAC
 AAGAGAAATCATCACATTTTACAAAGCTTCCATCAGAATTGTCCAAAAGCCCTTCCGATGAACTGACTCA
 GTGTGGTGTGAGCCTGAGCCATCACAGACAGCAGACCACAGTTTTAGAGACCATCGGCAAGGTTCAGAAGAA
 GAGCACAGCCCTGTTTTGAAAACCTGGAAAGAAGAGCTGCTAGGAAATGCTTCCAAAAGTCTAGAAG
 ACATTCATCAGATTCATCAAATCAAGCAAAAGTAGATAATCTGCCTGAAGAATTAGTGCAGTGTGCTGA
 AGATGATCAAAAAGCCGACCAAGAACCAGATACAAATGAATGTATACCAGGAATTTCCACAGTGCCTTCA
 CTGCTGATAATCAGTTTTCCACCCCTGACAAAACCTCAAAGGATGAGCAAGTCCGTGCCAGCATTCTTTC
 AAGATGAGAGCGATGACAGAGAAACAGACACAGCATCAGAGAGCAGCTACCAGCTCAGGAGATACAGAA
 GAGCCCCAGCTCATTAAACCAATCTTAGCAGCTCCTCTGGCATGACGTCTTGTCTCTGCGAGTGGCAGT
 GTGATGAGCGTTTACAGTGGAGACTTTGGCAACCTAGAAGTAAAAGGAAGCGTGCAGTTTGCAGTGCAGT
 ACGTGGAGTCCCTGAAAGAGCTGCATGTGTTTGTGGCCAGTGTAAAGGATTTAGCAGCAGCAGATGTTAA
 GAAACAGCGCTCAGATCCGTATGTAAGACCTATCTGCTACCAGACAAAGGCAAAAATGGGCAAGAAGAAG
 ACACCTCGTAGTGAAGAAGACCTTGAATCCTGTATACAACGAGATATTGCGGTATAAAATGAAAGGCAAT
 TCTTAAAGACGCAGAAGTTGAACCTGTCCGTTTGGCATCGGGATACATTTAAGCGCAACAGCTTTCTGGG
 GGAGTGGAGCTCGACCTGGAAACGTGGGATTGGGACAGCAAAACAGAACAACAGCTGAAGTGGTACCCA
 CTGAAGGGAAGACAGCACCCAGTTGCCCTCGAGACAGAAAACAGAGGTGAAATGAAACTAGCTCTCCAGT
 ATGTTCCGGAACCAAGCCCTGGCAAAAAGCTTCTACAACCTGGAGAAGTCCACATCTGGGTGAAGGAATG
 CCTTGACCTCCCACTGTTGAGGGCAGCCACCTAAATCTTTTGTAAATGTACCATCCTTCCAGATACC
 AGTAGAAAAAGTCGCCAGAAGACAAGAGCTGTAGGAAAAACCAACCCCGTCTTCAACCATACCATGG
 TGTATGATGGGTTGAGGCTGAAGATCTGATGGAAGCCTGTGTAGAACTCACAGTCTGGGACATTATAA
 ACTAACCAACAGTTTCTGGGAGGTCTCCGGATCGGCTTGGAACAGGAAAAAGCTACGGGACTGAAGTG
 GATTGGATGGATTCTACTTCTGAGGAAGTTGCTCTCTGGGAGAAGATGGTAAACTCTCCCAACACTGGG
 TTGAAGCGACGCTGCCCTCCGGATGCTTCTGATTGCCAAGCTTCCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001289583
Insert Size:	2853 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001289583.1</u> , <u>NP_001276512.1</u>
RefSeq Size:	4779 bp
RefSeq ORF:	2853 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 (6) encodes isoform 6 (also known as Slp2-a).</p>