OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC127294

SYTL1 (AK074154) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYTL1 (AK074154) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYTL1
Synonyms:	JFC1; SLP1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AK074154, the custom clone sequence may differ by one or more nucleotides

ACCCCACCTGAGCTCAGCCATCCTGGGGTGGCACCCTACCCATACCCGGCCAAGTGTTTGGGGAGAAAAG
GGCTGTTGGTTCTAGGATGTGCCAAGCATTTGTGCAGGGCTTGACCTGACCCTCGGTCTGCCCCCAGGAA
GCTCCGTGTGCCCAGCTGGGGCACAGCCCCAGCTGATGCCCCAGAGGGGCCACCCATCGCAAGAGGGGCT
TTGGGCTCTGCCCTCCCTCCCCATGGCGCATGGGCCAAAGCCTGAGACTGAAGGACTGTTGGACCTCAGC
TTCCTGACAGAGGAGGAGCAGGAGGCCATTGCTGGCGTCCTCCAACGAGATGCCCGCCTGCGCCAGCTGG
AGGAGGGGCGGGTCAGCAAGCTCCGGGCCTCAGTGGCAGACCCTGGGCAGCTGAAGATCCTGACAGGGGA
CTGGTTCCAGGAAGCACGCTCCCAGCGGCACCACAATGCCCACTTCGGCTCTGACCTTGTCCGAGCGTCT
ATGCGCAGGAAGAAGAGCACCAGGGGAGACCAGGCTCCAGGCCACGACAGGGAGGCTGAGGCTGCTGTGA
AAGAGAAGGAAGAGGGGCCAGAGCCCAGGCTCACCATTGATGAGGCCCTCAGGAGAGGCTCAGGGAGACT
GAGGGACCTGATTTCCCATCGCCTTCTGTCCCCCTAAAGGCTTCAGATCCTGAGGAGGCGTCCCAGGCCC
AGGAAGATCCTGGCCAAGGAGACCAACAGGTCTGTGCCGAGGAGGCTGACCCGGAGCTGGAGCCCGCGTC
GGGGGGAGAGCAGGAGCCGCGGCCCCAGCCAAGCCCAGGTAGGCGGGAGTGGCCCGTGGCTGCTCTCAAC
ATCCGGAGCGGACTCCGGGCGGGGAGCGCTCCTGCCCAGGGCTGCGAGCCGCCCGCGACCCAGGGCGCTC
GGGGCAGGGGTGGGGAAAGAAGGGGCGCCCCGTCACTTGCCCCCTCTGCAGACCAAGGCCGCGTCCCAGA
TCCTGGAGAATGGGGAGGAGGCCCCGGGGCCCGACCCCTCTCTCGACCGCATGCTCAGCAGCAGCTCCTC
GGTGTCCAGCCTTAACTCCTCCACGGTGAGGCGGGAGGGAGGGGACCCGGGCGGCCGGGGGGTGGACCCG
TTCCGATGCGTAGCCCCTGCCTGCCCCTCCCTCGCCGCGGGACCCACCGCTGCAGCCCCCCAGCCTGCCA
CCTATGACCCGGGTCTGAAGCCTCCGCGCTGCCCGCGGCCCCGACGTGAGCCCTGCGAGCGGCCCTGACT
CCCACCCACTCCCGTCCGCAGCTGAGCGGCAGCCAGATGAGCCTGTCAGGCGACGCGGAGGCGGTGCAGG
TCCGCGGCTCCGTGCACTTCGCGCTGCACTACGAGCCGGGCGCCGCCGAGCTGCGCGTGCACGTGATCCA
GTGCCAGGGCCTGGCCGCCGCCCGGCGCCGCCGCTCGGACCCGTGAGTGCCCCGCCGGCCAAGCGGGGCG
CGGCTGTCACAGCCCAGCCCACCATTCACAGGGTCTCGGCCTCCTCGTCCTCATCTTCAAAATGGGAACA
ACAGCGTTATTGGGAGGCGTGCGATTAAGCGAGACAATCCCTGTAAAGCGCTTAGCACGAGGCCTGGCAC

View online »

GTGTTCGGGATGGTGGCTGGGGGAGCCCACAGGCAGGGGAGAAGGCTCTGGGAGGGCCCCTCCTCACCTC
GGGTTCTCACCTCCCCAGCTACGTCAAAAGCTACCTCCTCCCGGATAAGCAGAGCAAGCGCAAAACGGCG
GTGAAGAAACGGAATCTGAATCCGGTTTTCAACGAGACTCTCCGGGTGAGGCTGTGACCACGATGCGGTT
CCCCGTTAATGAACTGGACGCCCCCTTCCTGCGGGGCTAGGTGGCAAGGGCAGCCAGTAACGTCATTGCC
CGGAGGATCGGCGGAGGGGGCCCATTAACTCGTTATCCAGTGTTGTCAGCCTCGTGGTGGGCGTGGTGAT
AGTGCAGGTCCCCATTAATGCCCTTAGGGGCTCCCCAGAATTCCATCATGGTAGGAACGCGGTAGGACCT
GCCTCAGCCAACTCGCGCAGCATCTACGCGGGCCACCAGCAGTGCTCCACTAAAGCTCACCTCCTGTCCT
CAGTACTCCGTCCCGCAGGCCGAGCTTCAGGGCCGCGTGCTGAGCCTGTCTGTGTGGCACCGCGAAAGCC
TGGGTCGCAACATCTTTCTGGGCGAAGTTGAAGTGCCCCTGGACACGTGGGACTGGGGCTCTGAGCCCAC
CTGGCTCCCCCTGCAGCCCCGGGTGAGGCAGCCAGGCCGCGTGGGGAGACCTGCGGCCCGGGTCTCCTGC
ATTTACCCCACCAGGCTCTCCCGCAGCCCCCTCACACCCCGCCTTCGACAGAACCTCCCCTCAACCTCTT
AACCTCATGGCCCCAGGCGAAGCCCGGCCGGCCACGGCCCCTTCCCCGAGGGCGCTAGGACCCTAGGTTC
TGCCCCTGCAGGCCCCGCCGTCTCTTGTAGCCGCACCCCATCCGGGTCTGCAGACCCCACCCTCCTGAGG
CCCCTTTCCATTAGCCCCTGCTCCACGATAAGCCCGCCTCTCGCAGGTCCCACCCTCTCCCGACGACCTT
CCGAGCCGCGGGTTACTCGCCCTGTCCCTCAAGTACGTCCCCGCCGGCTCCGAGGGTGAGTGACAGCCGG
AGAGGCCAAGCTGGACACGCCCTGAAAAGCGGGAGACTCCAGTCCCCGGGTTTGGGGGCGGTGGACTCCA
TCCGTGTGCGGGCCTGAGCCGAGCCTCTCCGCAGGCGCAGGACTGCCCCCGAGCGGGGAGCTGCACTTCT
GGGTGAAGGAGGCTCGGGACCTCCTGCCGCTGCGGGCAGGATCCCTGGACACTTACGTACAATGGTGAGG
AGTGCTGGCCCTCCGGGCTTCCCATTCTTTTGCCTGCAGTGGAGTGCCCAACCTCCACAAACCCTTACTA
ATCAACCTTTGATCACGCAGCCTGGGCTTTCACCACTGAGCAGGGGTGAAGGGGACGGTTTGAGCAAAGG
CCTGGAGTCAGGGAAGTTGAGGACACCTTTGAGGAGCTGCATTTCAGCGTGACTGGCGCCTATAGGACTT
GTTGAAAAGCTGAGGCTGAGGGCTGCAAGGGTCCTTCCATAGAGAACCTGGGAGGCCAGGCTGTGGGGCT
TGGCTGGGAACTTATAGTTCAGTGTAAGCTTCTAGGGGACTTCTAGGGGTGCCTCCAGGTGCTGCCCCCA
CTGTTAGAGAGTGAAATGGAGGTGGGCGGGTCACTTCTGGGTGTCCACTCTGATGCAGCCAGAGGCTGCA
GTACAGAGGTACTGTACTTCTGAGCAACACTGTATTTTGCAGAGGGGGTTCCCAGGCTTTGAAAACCTGG
GATTACAGGCGTGAGCAACCTCGCCCGGCCAGGAGCTGTAACTTTTAAAGCCAGGAGACCTGAGAGGAGG
CTGGTGCAAAGGTCCCAGGGCAGTGAGGGTCTAAGGCCAGGCAGGCAGGAGCCAGGGGACATGGACATAT
GTGAGGGAGAATGAGTGGGACGTGGTGACTGGATGACTCTAGGGAGTGTGAGGGGGGTCACCTGATGCCA
GGCCACCTCCCGCACAGCTTCGTGCTGCCTGATGACAGCCGGGCCAGCCGCCAGCGTACAAGGGTTGTGC
GACGCAGCCTCAGCCCTGTGTTCAATCACACCATGGTGTACGATGGCTTTGGGCCTGCTGACCTGCGCCA
GGCTTGTGCCGAGCTCTCCCTCTGGGACCATGGGGCCCTGGCCAACCGCCAGCTGGGAGGCACACGCCTC
AGCCTGGGCACCGGTAAGTGGGACAGCACCCTGAGACAGGCCCTGGGACAGGCCCTGGGAGATGGGGGCT
CAGTGTGTGGCCCTGGATACCTCTCTGTCCTTTCCTGAGCTTTGATATCTACTGAGAACTGAGGGTGGTA
ACGGGGGACAGTGCATAATCTGGGACCAGGCAGGTGTTTGGGGGCCCCAAGGTGTCCAGTGTGATCATGC
CCTCAACCCCTGCCCACCCACATCCAGGCAGCAGCTATGGGCTGCAGGTGCCCTGGATGGATTCCACACC
TGAGGAGAAGCAGCTGTGGCAAGCCCTCCTGGAGCAGCCGTGCGAGTGGGTGGATGGCCTTCTACCCCTC
AGAACCAACCTGGCCCCCAGGACGTAGCCCCACCAAGCCTCTCTCTCTGGACCCCCATCTCAGGGCCTGC
CCTTGGCTAAAGTCAATAAAGTCTATTCTAAGAGC

5' Read Nucleotide Sequence:

```
>OriGene 5' read for AK074154 unedited
NNGGCCGTTCCATGAATTGTATACGACTCACTATAGGCGGCCGCGAAATTCGCACCAGCT
CACACGTTGGCCACAGAAGTCCAGGGAAACTGCTGTTGTGGAGCACACAGGAAGCTCCGT
GTGCCCAGCTGGGGCACAGCCCCAGCTGATGCCCCAGAGGGGCCACCCATCGCAAGAGGG
GCTTTGGGCTCTGCCCTCCCTCCCCATGGCGCATGGGCCAAAGCCTGAGACTGAAGGACT
GTTGGACCTCAGCTTCCTGACAGAGGAGGAGCAGGAGGCCATTGCTGGCGTCCTCCAACG
AGATGCCCGCCTGCGCCAGCTGGAGGAGGGGCGGGTCAGCAAGCTCCGGGCCTCAGTGGC
AGACCCTGGGCAGCTGAAGATCCTGACAGGGGACTGGTTCCAGGAAGCACGCTCCCAGCG
GCACCACAATGCCCACTTCGGCTCTGACCTTGTCCGAGCGTCTATGCGCAGGAAGAAGAG
CACCAGGGGAGACCAGGCTCCAGGCCACGACAGGGAGGCTGAGGCTGCTGTGAAAGAGAA
GGAAGAGGGGCCAGAGCCCAGGCTCACCATTGATGAGGCCCCTCAGGAGAGGCTCAGGGA
GACTGAGGGACCTGATTTCCCATCGCCTTCTGTCCCCCTAAAGGCTTCAGATCCTGAGGA
GGCGTCCCAGGCCCAGGAAGATCCTGGCCAAGGAGACCAACAGGTCTGTGCCGAGGAGGC
TGNACCCGACTGACCCNCCTTTNGGGGGGGAGAGCAGGAGCCCGCGCCCCAGCAGCCCAG
ACCAAGCCGCGTCCAACTGGNAAAAAAGGGGGAGGAGGCCCCGGNGCCCGACCCCTCTCT
CGAACGCATGCTCAGCGCAGCTCCTTCGTGGNCCAACCTTACTNCTNCCGCTGAGCGCAG
CC
```

Restriction Sites: NotI-NotI

ACCN: AK074154

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:
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: AK074154.1, BAB84980.1

RefSeq Size: 4235 bp

RefSeq ORF: 4235 bp

Locus ID: 84958

Cytogenetics: 1p36.11

Gene Summary: May play a role in vesicle trafficking (By similarity). Binds phosphatidylinositol 3,4,5-trisphosphate. Acts as a RAB27A effector protein and may play a role in cytotoxic granule exocytosis in lymphocytes (By similarity).[UniProtKB/Swiss-Prot Function]