

## Product datasheet for **MC228801**

### SytI5 (NM\_001290728) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SytI5 (NM_001290728) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	SytI5
Synonyms:	ENSMUSG00000054453; slp5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC228801 representing NM\_001290728  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTCTAAGAAGCTCGGAGTTCATCAATCTGTCATTTTTATTAGATCATGAGAAGGAAATGATACTGGGAG  
 TCCTAAAGAGAGATGAATATTTGAAAAAGGTGGAAGACAAGAGGATAAGGAAGCTGAAAAATGAACTCTT  
 AGAAGCAAAGCGTAGGAGTGGGAAGACTCACCAAGAGGCCAGTAGAGTCTGCGTTCACTGTCACAAAACC  
 CTTGGCCTCATCTTTGACCGGGGAGATCCATGCCAAGCCTGCTCACTCAGGGTATGCAGTGTGCGAG  
 TCACCGGACTTGATGGCAGCTGGAAGTGCAGTGTCTGTGCCAAAGTCGCGCAGCTAAGGATTATAAGTGG  
 AGAATGGTTCCTTGAAGAAAAGGCAAAGCGTTTCAAGCAAGTCAATGTTCTGGGCACTGATGTCGTTTCA  
 CAGTCCATCTTAAGAAGAAGTCCAGGGTCTGAAGAAACACAAAACCAAGAGCAAGCACAAATGTGTAG  
 ACAAGTCAGATACTTTGTCTTGTGTCAGGCAGAAGACAACCTCATGATGGCCAAAAGAAGAAGGGTTTTCT  
 TCTTAGCAAGTTCAGATCAGCAACCAGAGGAGAAATCAGAAGTCCAAAACCTGAAAGCGGAAGGAGCTAT  
 AGCTTGGACTTAGACAGTCAAAAATCTTCAGAGTTTCAAGTCAAGCTCTGTTTTCAGACAGGGGAAAGTACCA  
 TTTCATCAGATCTCATTGACCAGGAGGCTGGACGAAGAACATCAAAAAGCAGCTACAGCAACGGTGGAAAT  
 CCCAGTACTCAGAGGTCACCAAGTCCCAAGTGCATAGTGTGACCTCCATCAACAGCAGAGAACATGGT  
 TTTGAAAATCCATGGCTTTGGCTACCATTGAAAACACCTGTGAAGAGCTCACAAGAGTACCAGCGAGAA  
 ACACATCCGGTACACCCCTCCATAGCGGTGTCTGGCACCTCACTCTCCTCAGAGCGGAGTGCATCTGAGGT  
 AGATTTGAGTGTGATCATTGGCGAAGACTTAGAGGACACTTCAAGCATAAGAAGCAGATCTGTCCCTGGG  
 GCTTTAGACAAAAGACTTGAAGTCCCTAGAAGACACTGAAGACGGTGTGACTTAGTGTCTCCAGGTTTT  
 TCGCAAAATACCCACAGTCTGGCAAGTGGATTGTCAACTACTAGCCTTAACAGCATGATGAGTGTACAG  
 TGAACCGGGAGACTATGGCAACGTGAAAGTCAACGGTGTGATCCTTCTCCACATCAGTACTGTACAAA  
 ACCGGCGGGCTATACATTTTTGTCAAGAGCTGCAGAAAACCTGGCCACAGGAGATGAAAAGAAACAGAGGA  
 CAGATGCTTATGTCAAGTCATACCTTCTCCAGACAAGTCCCGAAAACAAGCGTAAGACCAAAAATCAG  
 AACGGGTACCAATCCAGAATTCAACGAAACATTAAGTATACCATCAGCCACACCCAGCTGGAAACAAGA  
 ACTCTGCAGTCTCAGTCTGGCACTATGATCGGTTTGGACGCAACAGTTTCTGGGAGAGGTGGAGATTG  
 CTTTTGACTCATGGAACCTTGAATCCATGTGATGAGTGGTTTGTGCTTACGCCAAGGTGGAGTTGGC  
 TCCTGATATTAGCCTTCAATACAAAGGAGAGCTAACCATTTGTTTTGCGTTATATTCCTCCAGAGGAGA  
 CTAATATTTCCAGCAGGACAGCGTCAAGAAAAGAAGATCTTTAAAAGGGGAAAGAAGAAAGAGTCATCTT  
 CCATTTCTGGGGAACTATTGAAGTGTTCATCAAAAAGCAAAGAATCTGACAGCAGTAAAATCAGGAGG  
 CACTTCTGACAGCTTCGTCAGGGCTACCTGCTTCTGATGATAACAAAGCCACCAGCACAAAACCTGCT  
 GTTGTAAGAAAAGAGTGTCAATCCTGAGTGGAAACATACGTTTCAATTCAGTGGCCTGTATCCTCAGGATA  
 TAAAGAAATGCTTGCCTAGAACTACCATCTGGGACAAAGAGGCCTTTCCAGCAACGTCTTTCTAGGAGG  
 TGTTCTGTTAAATTTGGAAGTGGTATGAGCTACGGTAAAACCTGTGGACTGGATGGACTCTCATGGGAA  
 GAGCAACGCCCTTTGGCAAAAGATGGCTGACAACCTGGGACATCTGTAGAGGGGTTCTCATGCTACGTT  
 CCAGCATGGCGAAATGTAGGCTCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001290728  
 Insert Size: 2196 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001290728.1</a></u> , <u><a href="#">NP_001277657.1</a></u>
<b>RefSeq Size:</b>	6557 bp
<b>RefSeq ORF:</b>	2196 bp
<b>Locus ID:</b>	236643
<b>UniProt ID:</b>	<u><a href="#">Q80T23</a></u>
<b>Cytogenetics:</b>	X A1.1
<b>Gene Summary:</b>	<p>May act as Rab effector protein and play a role in vesicle trafficking. Binds phospholipids (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>