

## Product datasheet for **MC220332**

### **Sytl4 (NM\_013757) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sytl4 (NM_013757) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sytl4
Synonyms:	Gph; Slp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220332 representing NM\_013757  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGAGATACTAGACCTCTCTTTCTGTCCGAGATGGAAGGGATTTGATCCTCGGTGTTCTGCAGA  
 GAGATGAAGAAGCTCAGAAAAGCAGATGAGAAAAGGATTTCGGCGACTGAAGAATGAGCTCCTGGAGATCAA  
 AAGAAAAGGGGCCAAAAGGGGCAGCCAACACTATAGTGATCGAACCTGTGCCAGGTGCCAGGAGGGCCTG  
 GGCCGCTTAATCCAAAAGCAGCACTTGTGTGGGCTGCAATCATTTAGTGTGCCGAGAATGCCAGTTC  
 TGGAAAGCAATGGCTCTTGGAGGTGCAAGGTGTGCTCGAAGGAGATAGAGCTGAAGAAAGCAACTGGAGA  
 TTGGTTTTATGACCAGAAAGTAAATCGCTTTGATTACCGAACAGGCAGCGAGATAATCAGGATGTCCCTG  
 CGCCAGAAGCCTGCAGTGAATAAAAGAGAGACAGCGGGCAGTCCCTCCTCAGCAGACACAGATGGGTG  
 ATATCTGGCCAGGAAGAAGGATCATTCAAGAACAACAACAGGGGAACAAAGTGTCTGTTGAAGTGCC  
 AAAGACCAGAAGTGGAAGAGTGCCTGGAGGCTGAGAGCGAGAGTCTGGATAGCTACACTGCTGACTCA  
 GACAGCACCTCCAGGAGAGATTCTCTGGATAAATCTGGACTCTTCCCAGAATGGAAGAAGATGTCCGCTC  
 CCAATCTCAAGTTGAAAAGGAAATCCACCAGGGAACAAAATGCAGTCTGTGGTGATGAGGGTGACAT  
 GGTATTCAAGAAGAACCCAAAAAGTCCCTGAGGCCTTCAGAATACACTAAGTCTGTGATAGACCTTCGC  
 CCAGAAGATGTGGCCCAAGAAAGTGGCATCTTGGGAGACAGAAGCAAATCTGTACCAGGCCTCAGTGTGG  
 ATATGGAAGAAGAGGAGGAGGAGGAAGAGGACATTGACCACCTGGTGAAGTTGCACCGCCAGAACTGGC  
 CAGAGGCAGCATGCAGAGTGGCTCCTCCATGAGTACCCTTGGCAGCATTATGAGTATCTATAGCGAAGCT  
 GGTGATTTTGGGAACATCTCTGTGACGGCAAGATTGCCTTTTCACTGAAGTTTGAGCAGAAAACACAGA  
 CTTTGGTCATCCATGTCAAGGAGTGCCACCAGCTGGCCTATGCTGATGAAGCCAAGAAGCGTTCTAACC  
 ATATGTGAAGACTTATCTTCTGCCTGACAAGTCCCGCCAAGGAAAAAGAAAAACCAGCATCAAGCGGGAC  
 ACCATCAATCCACTATATGATGAGACCTTTCGGTACGAGATTTCCGAATCTCTTCTGGCTCAGAGGACTT  
 TGCAGTTTTCCGTTTGGCATCATGGTCGTTTTGGCAGAAACACTTTCCTTGGAGAGGCGGAGGTCCACAT  
 GGACTCTTGAAGCTGGATAAGAAGCTGGATCACTGCCTCCCTTACATGGAAAGATCAGTACTGAGTCC  
 TCGCTGGTTTGGCAGCACAAAGGCGAGTTGGTGGTTTCATTGAAATACATCCAGCCTCCAACTCC  
 CTGTTGGAGGTGACCGGAAAAAGAGTAAAGGTGGGGAAGGGGAGAACTCCAGGTGTGGTCAAAGAAGC  
 CAAGAACCTGACGGCTGCCAAATCAGGAGGACTTCAGACAGCTTTGTCAAGGGATACCTCCTCCCATG  
 AGGAACAAGGCCAGTAAGCGTAAAACCTCTGTGATGAAGAAGACTCTGAGTCCCCACTACAACCATACAT  
 TTGTCTACAATGGTGTGAGGCTGGAAGATCTACAACACATGTGCCTGGAAGTACTGATGGGACCGGGA  
 GCCCTGGCCAGCAATGACTTCTGGGAGGGTTCAGACTGGGTGTTGGCACTGGGATCAGTAATGGCGAA  
 GTGGTGGACTGGATGGATTTCGACTGGTGAAGAAGTAAAGCTTGTGGCAGAAGATGCGACAGTACCCAGGGT  
 CTTGGGCAGAAGGAACTCTGCAGCTCCGTTCTTCAATGGTCAAGCAGAAGCTGGGTGTA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_013757
- Insert Size:** 2022 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:**

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\\_013757.2](#), [NP\\_038785.1](#)

**RefSeq Size:** 3770 bp

**RefSeq ORF:** 2022 bp

**Locus ID:** 27359

**UniProt ID:** [Q9R0Q1](#)

**Cytogenetics:** X E3

**Gene Summary:** Modulates exocytosis of dense-core granules and secretion of hormones in the pancreas and the pituitary. Interacts with vesicles containing negatively charged phospholipids in a Ca(2+)-independent manner.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).