

## Product datasheet for **MC228064**

### Sytl4 (NM\_001290718) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sytl4 (NM_001290718) 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:** >MC228064 representing NM\_001290718  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGAGATACTAGACCTCTCTTTCTGTCCGAGATGGAAGGGATTTGATCCTCGGTGTTCTGCAGA  
 GAGATGAAGAAGCTCAGAAAAGCAGATGAGAAAAGGATTCGGCGACTGAAGAATGAGCTCCTGGAGATCAA  
 AAGAAAAGGGGCCAAAAGGGGCAGCCAACACTATAGTGATCGAACCTGTGCCAGGTGCCAGGAGGGCCTG  
 GGCCGCTTAATCCCAAAGCAGCACTTGTGTGGGCTGCAATCATTTAGTGTGCCGAGAATGCCAGTTC  
 TGGAAAGCAATGGCTCTTGGAGGTGCAAGGTGTGCTCGAAGGAGATAGAGCTGAAGAAAGCAACTGGAGA  
 TTGGTTTTATGACCAGAAAGTAAATCGCTTTGATTACCGAACAGGCAGCGAGATAATCAGGATGTCCCTG  
 CGCCAGAAGCCTGCAGTGAATAAAAGAGAGACAGCGGGCAGTCCCTCCTCAGCAGACACAGATGGGTG  
 ATATCTGGCCAGGAAGAAGGATCATTCAAGAACAACAACAGGGGAACAAAGTGTCTGTTGAAGTGCC  
 AAAGACCAGAAGTGGAAGAGTGCCTGGAGGCTGAGAGCGAGAGTCTGGATAGCTACACTGCTGACTCA  
 GACAGCACCTCCAGGAGAGATTCTCTGGATAAATCTGGACTCTTCCAGAAATGGAAGAAGATGTCCGCTC  
 CCAATCTCAAGTTGAAAAGGAAATCCACCAGGGAACCAAAATGCAGTCTGTGGTGATGAGGGTGACAT  
 GGTATTCAAGAAGAACCAAAAAAGTCTGAGGCCTTCAGAATACACTAAGTCTGTGATAGACCTTCGC  
 CCAGAAGATGTGGCCCAAGAAAGTGGCATCTTGGGAGACAGAAGCAAATCTGTACCAGGCCTCAGTGTGG  
 ATATGGAAGAAGAGGAGGAGGAGGAAGAGGACATTGACCACCTGGTGAAGTTGCACCGCCAGAACTGGC  
 CAGAGGCAGCATGCAGAGTGGCTCCTCCATGAGTACCCTTGGCAGCATTATGAGTATCTATAGCGAAGCT  
 GGTGATTTTGGGAACATCTCTGTGACGGCAAGATTGCCTTTTCACTGAAGTTTGAGCAGAAAACACAGA  
 CTTTGGTCATCCATGTCAAGGAGTGCACCAGCTGGCCTATGCTGATGAAGCCAAGAAGCGTTCTAACC  
 ATATGTGAAGACTTATCTTCTGCCTGACAAGTCCCGCCAAGGAAAAAGAAAAACCAGCATCAAGCGGGAC  
 ACCATCAATCCACTATATGATGAGACCTTTCGGTACGAGATTTCCGAATCTCTTCTGGCTCAGAGGACTT  
 TGCAGTTTTCCGTTTGGCATCATGGTCGTTTTGGCAGAAACACTTTCCTTGGAGAGGCGGAGGTCCACAT  
 GGACTCTTGAAGCTGGATAAGAAGCTGGATCACTGCCTCCCTTTACATGGAAAGGGATCAGTAATGGCC  
 AAGTGGTGGACTGGATGGATTGACTGGTGAAGAAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001290718
- Insert Size:** 1509 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:**

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\\_001290718.1](#), [NP\\_001277647.1](#)

**RefSeq Size:** 3325 bp

**RefSeq ORF:** 1509 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 (3) uses an alternate splice site in the 5' UTR and lacks three alternate exons, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1. Variants 2 and 3 encode the same isoform (2).