

## Product datasheet for **MG208061**

### **Sytl4 (BC026819) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sytl4 (BC026819) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sytl4
Synonyms:	Gph, Slp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG208061 representing BC026819  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGAGATACTAGACCTCTCTTTCTGTCCGAGATGGAAGGGATTTGATCCTCGGTGTTCTGCAGA  
 GAGATGAAGAAGCTCAGAAAAGCAGATGAGAAAAGGATTCGGCGACTGAAGAATGAGCTCCTGGAGATCAA  
 AAGAAAAGGGGCCAAAAGGGGCAGCCAACACTATAGTGATCGAACCTGTGCCAGGTGCCAGGAGGGCCTG  
 GGCCGCTTAATCCAAAAGCAGCACTTGTGTGGGCTGCAATCATTTAGTGTGCCGAGAATGCCGAGTTC  
 TGGAAAGCAATGGCTCTTGGAGGTGCAAGGTGTGCTCGAAGGAGATAGAGCTGAAGAAAGCAACTGGAGA  
 TTGTTTTATGACCAGAAAGTAAATCGCTTTGATTACCGAACAGGCAGCGAGATAATCAGGATGTCCCTG  
 CGCCAGAAAGCCTGCAGTGAATAAAGAGAGACAGCGGGCAGTCCCTCCTCAGCAGACACAGATGGGTG  
 ATATCTGGCCAGGAAGAAGGATCATTCAAGAACAACAACAGGGGAACAAAGTGTGCTGTTGAAGTGCC  
 AAAGACCAGAAGTGGAAGAGTGCCTGGAGGCTGAGAGCGAGAGTCTGGATAGCTACACTGCTGACTCA  
 GACAGCACCTCCAGGAGAGATTCTCTGGATAAATCTGGACTCTTCCAGAAATGGAAGAAGATGTCCGCTC  
 CAAATCTCAAGTTGAAAAGGAAATCCACCAGGGAACAAAATGCAGTCTGTGGTGATGAGGGTGACAT  
 GGTATTCAAGAAGAACCAAAAAAGTCTGAGGCCTCAGAATACACTAAGTCTGTGATAGACCTTCGC  
 CCAGAAGATGTGGCCCAAGAAAGTGGCATCTTGGGAGACAGAAGCAAAATCTGTACCAGGCCTCAGTGTGG  
 ATATGGAAGAAGAGGAGGAGGAGGAAGAGGACATTGACCACCTGGTGAAGTTGCACCGCCAGAACTGGC  
 CAGAGGCAGCATGCAGAGTGGCTCCTCCATGAGTACCCTTGGCAGCATTATGAGTATCTATAGCGAAGCT  
 GGTGATTTTGGAAACATCTCTGTGACGGCAAGATTGCCTTTTCACTGAAGTTTGAGCAGAAAACACAGA  
 CTTTGGTCACTCCATGTCAAGGAGTGCACACAGCTGGCCTATGCTGATGAAGCCAAGAAGCCTTCTAACCC  
 ATATGTGAAGACTTATCTTCTGCCTGACAAGTCCCGCCAAGGAAAAAGAAAAACCATCAAGCGGGAC  
 ACCATCAATCCACTATATGATGAGACCTTTCGGTACGAGATTTCCGAATCTCTTCTGGCTCAGAGGACTT  
 TGCAGTTTTCCGTTTGGCATCATGGTCGTTTTGGCAGAAACACTTTCCTTGGAGAGGCGGAGGTCCACAT  
 GGACTCTTGAAGCTGGATAAGAAGCTGGATCACTGCCTCCCTTACATGGAAAGGTAGTCTGCTTTAA  
 GGTGTTACAGCTTCTTCCAGGTGAATTGTCTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208061 representing BC026819  
 Red=Cloning site Green=Tags(s)

MSEILDLSFLSEMERDLILGVLQRDEELRKADEKRIRRLKNELLEIKRKGAKRGSQHYSDRTCARCQEGL  
 GRLIPKSSTCVGCNHLVCRECRVLESNGSWRCKVCSKEIELKKATGDWFYDQKVNRFDYRTGSEIIRMSL  
 RQKPAVNKRETAGQSLLQQTQMGDIWPGRRRIIQEQQREQSVLFEVPKTRSGKSALEAESESLDSYTADS  
 DSTSRRLSLDKSGLFPEWKKMSAPKSQVEKEIPPGNQNAVCGDEGDMVFKKNTKKVLRPSEYTKSVIDL  
 PEDVAQESGILGDRSKSVPGLSVMEEEEEEEDIDHLVKLHRQKLARGSMQSGSSMSTLGSIMSIYSEA  
 GDFGNISVTGKIAFSLKFEQKTQTLVIHVKECHQLAYADEAKKRSNPYVKTYLLPDKSRQGRKTSIKRD  
 TINPLYDETFRYEISESLLAQRTLQFSVWHHGRFGRNTFLGEAEVHMDSWKLDKKLDHCLPLHGKVVCFK  
 GRSQLASQVNCL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC026819

**ORF Size:** 1506 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [BC026819.1](#)

**RefSeq Size:** 2997 bp

**RefSeq ORF:** 1508 bp

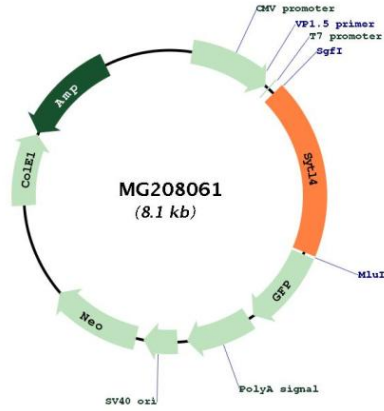
**Locus ID:** 27359

**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]

**Product images:**



Circular map for MG208061