

Product datasheet for **MR208061**

Sytl4 (BC026819) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sytl4 (BC026819) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sytl4
Synonyms:	Gph, Slp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR208061 representing BC026819
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGAGATACTAGACCTCTCTTTCTGTCCGAGATGGAAGGGATTTGATCCTCGGTGTTCTGCAGA
 GAGATGAAGAAGCTCAGAAAAGCAGATGAGAAAAGGATTTCGGCGACTGAAGAATGAGCTCCTGGAGATCAA
 AAGAAAAGGGGCCAAAAGGGGCAGCCAACACTATAGTGATCGAACCTGTGCCAGGTGCCAGGAGGCCCTG
 GGCCGCTTAATCCAAAAGCAGCACTTGTGTGGGCTGCAATCATTTAGTGTGCCGAGAATGCCGAGTTC
 TGGAAAGCAATGGCTCTTGGAGGTGCAAGGTGTGCTCGAAGGAGATAGAGCTGAAGAAAGCAACTGGAGA
 TTGTTTTATGACCAGAAAGTAAATCGCTTTGATTACCGAACAGGCAGCGAGATAATCAGGATGTCCCTG
 CGCCAGAAGCCTGCAGTGAATAAAGAGAGACAGCGGGCAGTCCCTCCTCAGCAGACACAGATGGGTG
 ATATCTGGCCAGGAAGAAGGATCATTCAAGAACAACAACAGGGGAACAAAGTGTCTGTTGAAGTGCC
 AAAGACCAGAAGTGGAAGAGTGCCTGGAGGCTGAGAGCGAGAGTCTGGATAGCTACACTGCTGACTCA
 GACAGCACCTCCAGGAGAGATTCTCTGGATAAATCTGGACTCTTCCCAGAATGGAAGAAGATGTCCGCTC
 CCAATCTCAAGTTGAAAAGGAAATCCACCAGGGAACCAAAATGCAGTCTGTGGTGATGAGGGTGACAT
 GGTATTCAAGAAGAACCAAAAAAGTCTGAGGCCTTCAGAATACACTAAGTCTGTGATAGACCTTCGC
 CCAGAAGATGTGGCCCAAGAAAGTGGCATCTTGGGAGACAGAAGCAAACTGTACCAGGCCTCAGTGTGG
 ATATGGAAGAAGAGGAGGAGGAGGAAGAGGACATTGACCACCTGGTGAAGTTGCACCGCCAGAACTGGC
 CAGAGGCAGCATGCAGAGTGGCTCCTCCATGAGTACCCTTGGCAGCATTATGAGTATCTATAGCGAAGCT
 GGTGTTTTGGGAACATCTCTGTGACGGCAAGATTGCCTTTTCACTGAAGTTTGAGCAGAAAACACAGA
 CTTTGGTCAATCCATGTCAAGGAGTGCACACAGCTGGCCTATGCTGATGAAGCCAAGAAGCGTTCTAACCC
 ATATGTGAAGACTTATCTTCTGCCTGACAAGTCCCGCCAAGGAAAAAGAAAAACCATCAAGCGGGAC
 ACCATCAATCCACTATATGATGAGACCTTTCGGTACGAGATTTCCGAATCTCTTCTGGCTCAGAGGACTT
 TGCAGTTTTCCGTTTGGCATCATGGTCGTTTTGGCAGAAACACTTTCCTTGGAGAGGCGGAGGTCCACAT
 GGACTCTTGAAGCTGGATAAGAAGCTGGATCACTGCCTCCCTTACATGGAAAGGTAGTCTGCTTTAA
 GGTGTTACAGCTTCTTCCAGGTGAATTGTCTG

ACCGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208061 representing BC026819
 Red=Cloning site Green=Tags(s)

MSEILDLSFLSEMERDLILGVLQRDEELRKADEKRIRRLKNELLEIKRKGAKRGSQHYSDRTCARCQEGL
 GRLIPKSSTCVGCNHLVCRECRVLEENGSWRCKVCSKEIELKKATGDWFYDQKVNRFDYRTGSEIIRMSL
 RQKPAVNKRETAGQSLQQTQMGDIWPGRRRIIQEQQREQSVLFEVPKTRSGKSALEAESESLDSYTADS
 DSTSRRLSLDKSGLFPEWKKMSAPKSQVEKEIPPQNNAVCGDEGDMVFKKNTKKVLRPSEYTKSVIDL
 PEDVAQESGILGDRSKSVPGLSVDMEEEEEEDIDHLVKLHRQKLARGSMQSGSSMSTLGSIMSIYSEA
 GDFGNISVTGKIAFSLKFEQKTQTLVIHVKECHQLAYADEAKKRSNPYVKTYLLPDKSRQGRKTSIKRD
 TINPLYDETFRYEISESLLAQRTLQFSVWHHGRFGRNTFLGEAEVHMDSWKLDDKLDHCLPLHGKVVCFK
 GRSQLASQVNCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9038_b03.zip

Restriction Sites:

Sgfl-Mlul

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

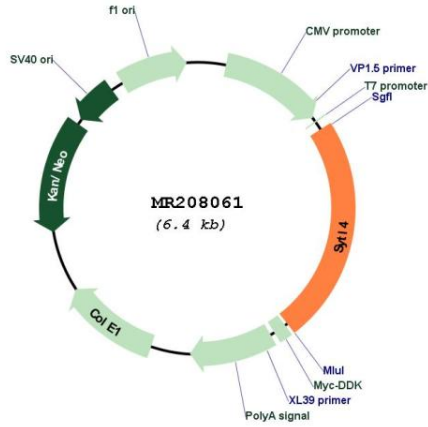
Cytogenetics: X E3

MW: 109.9 kDa

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 MR208061