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Product datasheet for MC228065

Sytl4 (NM_001290719) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sytl4 (NM_001290719) 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)

View online »

Fully Sequenced ORF:

>MC228065 representing NM_001290719
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGGAGATACTAGACCTCTCTTTTCTGTCCGAGATGGAAAGGGATTTGATCCTCGGTGTTCTGCAGA
GAGATGAAGAACTCAGAAAAGCAGATGAGAAAAGGATTCGGCGACTGAAGAATGAGCTCCTGGAGATCAA
AAGAAAAGGGGCCAAAAGGGGCAGCCAACACTATAGTGATCGAACCTGTGCCAGGTGCCAGGAGGGCCTG
GGCCGCTTAATTCCCAAAAGCAGCACTTGTGTGGGCTGCAATCATTTAGTGTGCCGAGAATGCCGAGTTC
TGGAAAGCAATGGCTCTTGGAGGTGCAAGGTGTGCTCGAAGGAGATAGAGCTGAAGAAAGCAACTGGAGA
TTGGTTTTATGACCAGAAAGTAAATCGCTTTGATTACCGAACAGGCAGCGAGATAATCAGGATGTCCCTG
CGCCAGAAGCCTGCAGTGAATAAAAGAGAGACAGCGGGGCAGTCCCTCCTTCAGCAGACACAGATGGGTG
ATATCTGGCCAGGAAGAAGGATCATTCAAGAACAACAACAGAGGGAACAAAGTGTGCTGTTTGAAGTGCC
AAAGACCAGAAGTGGAAAGAGTGCACTGGAGGCTGAGAGCGAGAGTCTGGATAGCTACACTGCTGACTCA
GACAGCACCTCCAGGAGAGATTCTCTGGATAAATCTGGACTCTTCCCAGAATGGAAGAAGATGTCCGCTC
CCAAATCTCAAGTTGAAAAGGAAATTCCACCAGGGAACCAAAATGCAGTCTGTGGTGATGAGGGTGACAT
GGTATTCAAGAAGAACACCAAAAAAGTCCTGAGGCCTTCAGAATACACTAAGTCTGTGATAGACCTTCGC
CCAGAAGATGTGGCCCAAGAAAGTGGCATCTTGGGAGACAGAAGCAAATCTGTACCAGGCCTCAGTGTGG
ATATGGAAGAAGAGGAGGAGGAGGAAGAGGACATTGACCACCTGGTGAAGTTGCACCGCCAGAAACTGGC
CAGAGGCAGCATGCAGAGTGGCTCCTCCATGAGTACCCTTGGCAGCATTATGAGTATCTATAGCGAAGCT
GGTGATTTTGGGAACATCTCTGTGACGGGCAAGATTGCCTTTTCACTGAAGTTTGAGCAGAAAACACAGA
CTTTGGTCATCCATGTCAAGGAGTGCCACCAGCTGGCCTATGCTGATGAAGCCAAGAAGCGTTCTAACCC
ATATGTGAAGACTTATCTTCTGCCTGACAAGTCCCGCCAAGGAAAAAGAAAAACCAGCATCAAGCGGGAC
ACCATCAATCCACTATATGATGAGACCTTTCGGTACGAGATTTCGGAATCTCTTCTGGCTCAGAGGACTT
TGCAGTTTTCCGTTTGGCATCATGGTCGTTTTGGCAGAAACACTTTCCTTGGAGAGGCGGAGGTCCACAT
GGACTCTTGGAAGCTGGATAAGAAGCTGGATCACTGCCTCCCTTTACATGGAAAGGTAGTCTGCTTTAAA
GGTCGTTCACAGCTTGCTTCCCAGGTGAATTGTCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290719

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001290719.1, NP_001277648.1
RefSeq Size:	2958 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 (4) lacks multiple 3' coding exons and its transcription extends past a splice site used in variant 1, resulting in a different 3' coding region and 3' UTR. The encoded isoform (3) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.