

## Product datasheet for **RN215388**

### **Sytl1 (NM\_001025651) Rat Untagged Clone**

#### **Product data:**

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Sytl1 (NM_001025651) Rat Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | Sytl1                                   |
| Synonyms:                 | Slp-1                                   |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |



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| <b>Fully Sequenced ORF:</b> | <p>&gt;RN215388 representing NM_001025651</p> <p>Red=Cloning site Blue=ORF Orange=Stop codon</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br/>GCC<b>CGGATCGCC</b></p> <p>ATGCCCCAGAGAGGCCACCCATCTCAGGAGAGGCTTCGGGCCCTGCCCTCCCTCCCCATGGCACATGGAC<br/>CAGGACCTGAAGCTGAGGGATTGCTGGACCTCAGCTTCTTGACAGAGGGAACAGGAGGCCATCTCTGA<br/>TGTCCTCAAACGAGATGCCACCTACGCCAGCTGGAGGAAGGGCGGGTCAGCAAGCTTAGGGCCTCACTG<br/>GCAGACCCCTGGCAGCTAAAGATCCTGACAGGGGACTGGTTCCAAGAAGCACGCTCCAGCGGCATCACC<br/>ATGCCCATTTTGGTTCTGACCTCGTCCGGGCTTCTATCCGAAGGAAGAAGAGCTCTAAGGGGACCAGGC<br/>TCTGGGAAGCGATGGTGATGGAGAGGCTGCTGGGAAGACACCATAGAAGAGGCAGAGCCAGGGTCTCC<br/>ATCAAGGTGGCTGCTCCAGAGACACACTGAGACCCAAGAGCCTGATTTCTCTCACCATATGTACTCA<br/>CAAAGGTTTCCAGTCAGGAGGAGGAGCCCCAGGACCAGGAAGCCCTGGCCAAGGGGGTGTGCAGGTGGC<br/>AGAAGCGGACCCAGAAGTGGATCCTGAGCAGGAGCGGAGCAGGAGTCTGGCCAACCTCAGCCAGATC<br/>AAGACGACCTCCAAGGTCTGGAGAATGGAGAAGAGACCCCGGGCTCGGCCCTCTCTCGACCGCATGC<br/>TCAGCAGCAGTTCCTCTGTGTCGAGCCTCAATTCTTCTACGCTCAGTGGCAGCCTGAAGAGCTTGTGGG<br/>GGAGGCGGAGGCGGGCCCGGTGCAGGTGCGCGGCTCTGTGCTTCTCTCCTGCGGTACGAGCCTGGCACC<br/>GGCGAGCTGCGCGTACAAGTGATCCAGTGCCAGGGCCTGGCCGCTGCCGGCGTGCAGCCTCCGATCCCT<br/>ACGTGAAAAGCTACCTCCTCCCGGATAAGCAGAACAGCGCAAGACATCGGTGAAGAAACGGAATCTGAA<br/>CCCGATCTTCAACGAGACTCTGCGGCACTCTGTCCAGCAGGCCGATCTCCAGGACGCGTGTGAGCCTG<br/>TCCGTGTGGCACCGTGAAAGTCTGGGTGCAACATCTTCTGGGAGAGGTGGAAGTGCCCTAGACACGT<br/>GGAATGGGACTCTGAGGCTACCTGGCTCCCCCTGCAGCCTCGGATCCCACATCTCCAGACGAGCTCCC<br/>CAGCCGTGGACTGCTGTCTCTGTCCCTCAAGTATATCCCTGCCGGCTCAGAGGGAGGAGGGCAGCCTCCA<br/>AGTGGGAGCTACATTTCTGGATAAAGGAAGCTCAGGGCCTCGTACCACTGCGGCCAGGATCCTTGGATA<br/>CCTACATTCAATGCTCAGTGCTGCCGATGACAGTGGGCCAGCGCCAAACGCACAAGAGTGGTTCGACG<br/>AAGTCTCAGCCCTGTGTTCAACCACACCATGGTTTATGATGGCTTTGGGCTGCTGACCTACGCCAGGCC<br/>TGTGCTGAGCTCTCCTTGTGGGATCATGGGGCCTGGCCAGTCGACAGTTGGGGGGCACGCTCTCAGCC<br/>TTGGTACTGGTGAGCAGAGCAGGCCCTGAGGGGACCAAGCTTGAGACACGGGCTCAGTGGGTGACCC<br/>TGGATATGTCATTACCTTCCCTAA</p> <p>AG<b>CGGACCG</b>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC<br/>TGGATTACAAGGATGACGACGATAAGGTTTAA</p> |
| <b>Restriction Sites:</b>   | SgfI-RsrII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ACCN:</b>                | NM_001025651                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Insert Size:</b>         | 1635 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>OTI Disclaimer:</b>      | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Components:</b>          | 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\_001025651.1, NP\_001020822.1

**RefSeq Size:** 2066 bp

**RefSeq ORF:** 1635 bp

**Locus ID:** 297872

**Cytogenetics:** 5q36