

Product datasheet for SC118203

SLN (NM_003063) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SLN (NM_003063) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SLN |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF sequence for NM_003063 edited ATGGGGATAAACACCCCGGAGCTGTTTCTCAACTTCACTATTGTCTTGATTACGGTTATT CTTATGTGGCTCCTTGTGAGGTCCTATCAGTACTGA |
| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_003063 unedited CGTTCAGATTTGTATACATTCATATAGGCGGCNCGCGATTTCGGCAGAGGGGTTGGNAGC TCAAGTTGGAGACAGCGAGGAGAAACCTGCCATAGCCAGGGTGTGTCTTTGATCCTCTTC AGGAGGTGAGGAGAAGCCAGAGGTCCTTGGTGTGCCCTCAGAAATCTGCCTGCAGTTCTC ACCAAGCCGCTGTGAAAATGGGGATAAACACCCCGGAGCTGTTTCTCAACTTCACTATTG TCTTGATTACGGTTATTCTTATGTGGCTCCTTGTGAGGTCCTATCAGTACTGAGAGGCCA TGCCATGGTCCTGGGATTGACTGAGATGCTCCGGAGCTGCCTGCCTATGCCCTGAGACC CCTACTGCTGTCATTGTACAGGATGCCATTCTCCATCCGAGGGCACCTGTGACCTGCACT CACAATATCTGCTATGCTGTAGTGTAGGATTGATTATGTGTTCTCCAAAGATGCTGCTC CCAAGGGCTGCCAAGTGTGGCCAGGGAACGGTAGATTTATCCCAACTCTTAAGTAA AATGTGTTAGACAAGCCACAAAGTTAAATTAAGTGGATTATGATGATGATGATGATGATG TACAAGCCCTGATCTGTCTCACCACACATCCCTTCAACCCACACGGTCTGCAACCAAAC TCTAATTCACCCGCCCAGAAGAATGTTAGAGGAAGTCTTTGTCAGCCCTTATAGCTATC ATGTGAATAAAGTTAAGTCAACTTCAAAAAAAAAAAAAAAAAAACTTCGACTTCTAAATG CGGCCCGCGTCATAACTTGGTTCCTTGACATATCCCGGTTGTATCCCTGTGACCCCTT CCCAGTGGCTTTCTGGGCTGGGAGTTGCCACTCCATTGCCACCAACCCTGGCCTAATA AACTAAATTGCC |



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| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_003063 unedited TGTAACGCGGCACGCTATCTAGTGTGCGAGTTTTTTTTTTTTTTTTTTTTTTTGAAGTTGACTTAA CTTTATTCACATGATAGCTATAAGGGCTGACAAAGACTTCCTCTAACATTCCTTCTGGCA GGTTGAATTAGAGTTTGGTTGCAGACCGTGTGGGTTGAAGGGATGTGTGGTGAGACAGAT CAGGGGCTTGTAACAATCCTACATCATGAATCCAGTTAATTTTAACTTTGAGGCTT GTCTAACACATTTTCAGTTAAGAGTTGGGAATAAATCTACCGTTCCTGGCAAACACTT GGCAGCCCTTGGGAGCAGCATCTTTGGAGAACACATAATCAATCCTAGCACTACAGCATA GCAGATATTGTGAGTGCAGGTACAGGTGCCCTCGGATGGAGAATGGCATCCTGTGACAA TGACAGCAGTGGGTCTCAGGGCATAGAGCAGGCAGCTCCGGAGCATCTCATTCAATCCC AGGACCATGGCATGGCCTCTCAGTACTGATAGGACCTCACAAGGAGCCACATAAGAATAA CCGTAATCAAGACAATAGTGAAGTTGAGAAACAGCTCCCGGTGTTTATCCCCATTTTCA CAGCGGCTTGGTGAATCTGCAGGCAGATTTCTGATGGCACACCAAGGACCTCTGGCTTC TCCTCACCTCCTGAAGAGGATCAAAGACACACCCTGGCTATGGCAAGTTTCTCCTCGCTG TTTCCAACCTGAGCTCCAACCCTCGTGCCGATTTTGAAGCCGGCCTATAGTGAGTCGAT TACAAATTCTGAGTTCACTAACGAGCTCTGCTCAATAAACTCCCACCGACACGCTTACG CCTTGTGGGTAAGGGGGGGGGTTTATCACTTTTGAAGTCCCGTGTTTTGGTGCAAAA ACTTCCATGACGGATTGGGCGAGACTGGAACCCCGGAGTAACGTTTCCCCATGGGTCTG CAACCGCTCCTGGATAGCTGCTTACG</p> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_003063 |
| Insert Size: | 700 bp |
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| 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: | <ol style="list-style-type: none"> 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_003063.1 , NP_003054.1 |

RefSeq Size: 716 bp

RefSeq ORF: 96 bp

Locus ID: 6588

UniProt ID: [O00631](#)

Cytogenetics: 11q22.3

Protein Families: Transmembrane

Gene Summary: Sarcoplasmic reticulum Ca(2+)-ATPases are transmembrane proteins that catalyze the ATP-dependent transport of Ca(2+) from the cytosol into the lumen of the sarcoplasmic reticulum in muscle cells. This gene encodes a small proteolipid that regulates several sarcoplasmic reticulum Ca(2+)-ATPases. The transmembrane protein interacts with Ca(2+)-ATPases and reduces the accumulation of Ca(2+) in the sarcoplasmic reticulum without affecting the rate of ATP hydrolysis. [provided by RefSeq, Jul 2008]