

## Product datasheet for **SC122400**

### SLD5 (GINS4) (BC027454) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLD5 (GINS4) (BC027454) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLD5
Synonyms:	DNA replication complex GINS protein SLD5; GINS complex subunit 4; GINS complex subunit 4 (Sld5 homolog); MGC14799; SLD5; SLD5 homolog
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene sequence for BC027454 edited  
 CTTTGGCAGAGTAGCGCGGGAGCTGAGAAGTTGCAGGGTTGAGTTGGTCCCGCAAGTCC  
 TTGAGCAGTTTGTTCCTCTGTCTTCCCGCTTCTGGTGCCCCGACTGCGTCCCCACGAAC  
 GCCCGTCTTACCGCCGGCTGTGTGGAGTGCCTCGTGTCTCCAGGTCCCCGAGTGA  
 GCGTCGAATGGGACCTCTGTGGCTAGGGCAGGCCTGTGTGGTGGCACTGAGAGGGAGGA  
 GGGGAGGGGATGTTGCGAGTTTCTTGGCAGCCAGGGACTTTCTTTGTCCCGCCATC  
 CACTCCTTAGGCCTTTGGGATCGCCGACTGGTCTAATGTCGCGGCCCTTGTGGCTGTG  
 GAAATTAGCATTGATTAATCTTCTTAACAATTTTGTGTTTTATAGAGACAGGATCTCCC  
 TATGTTGCCAGGCTGGTCTCGAACTCCTGGGCTCAAGGTATCTTCTGCCTCGGCTTCC  
 CAAAGTGTGGGATTACAGGCGTGAGCCCGCCAGCTCCTAATAATGTTAAGTGTGTTGCT  
 AGGAGTCAAGCGCTGTGCTGAGCGCAGGGGCTTCCACGTCATTGCGTCCCCAGTGTCTA  
 GTGCCAGGCACTGAGCAGAGGCGGATTCTGATTTGAACTAAAACGAACCCCGTCCCTGA  
 GGAACAAGACCTCTACTGGGAAGTCAAAGAAATGAATAGTGATTGTATGGTGTGATGGGT  
 GCTCAGCTCTTGGTGGACAGAAGTAAGGGGGAGGCTTGTGAGAAACGGATACCTGACC  
 TAAGCCTTGGAGGAAGAGGCAGACACTGGAAAAGTACTAGAGTCCCTGCGTTCTCACCCT  
 TGCTAAAGGGCCTCTACAACCCAGGAAACCTCAATAAACCTTTCTTTCTCCAGATAGA  
 TGCTGTCTTGTGAGATAATTAGAAAACGATTGCAGAGTATTGGTTCTTTCCCTCTCAT  
 TAGGTTCTCGTTTTCAGAGAAGTACCGAAGAAGTGGATTTCTGGGACAGGACTCTGA  
 TGGGGTGTAGTGGGAAGTGGTCTAAGTCTGTCAGAGCTCATTGAAAGATTGGAGCAGGC  
 CTGGATGAATGAAAAGTTTCCCTGAGCTGTGGAGAGCAAGCTGAGATTGTAGAATG  
 TGTCATGGAACAGCTGGAGCACATGGAAGAAAATCTCAGGAGAGCCAAAAGGGAGGACCT  
 GAAGGTGAGCATCCACCAATGGAGATGGAGAGGATCCGCTACGTCCTCAGCAGCTACT  
 GCGGTGTGCGCTCATGAAGTTTGGAGTGGAGATACCTGGAGGGATTGAGACAGCAGT  
 CTGTAATGCAGACTGAATGTCCTGGGAAAAGTGGGCTGGGGCCAGGAGGGTCCAGGA  
 CCTGAAGATGCTGCTAAGAGCCCAATATCCATGTAGCTAAACTGTAAAGGAGCGAGAGA  
 TTGCTCCACAGAAGCACAGAGGAACGTGTGTGGCCACTGCGGGGACACCGCACACATTT  
 TTAGTCTGTTACCTGCCGAGTGTGTTTCCCTTGCCTTACAGCATGGCAGTGTCTAA  
 AGGGAGAGTTGTTGGCATTGGTCAATAGTGAATGCTGACTAGAGGAGAATTGTTTCCAA  
 AATTTATTTGTCTGTGATGGCAACGTCAGTGTCAATGAACCAGGATGACTTACATT  
 CACCTACAGCTTTGTGGTATCTAACTTACAAAATGAAGTTGCAGGCCAGGCGTGGTGG  
 CTCACACCTGTAATCCCAGCACTTTGGGAGGCTAGGCGGGTGGATCACCTGAGGTGAGGA  
 GTTTGAGACCAGCCTGACCAACAAGGTGAAACCCATTTCTACTAAAAATAAAAAATTA  
 GCCAGGCGTGGCGGACAGGCGCCTGTAGTCCCAGTACTCAGGAGGCTGAGACAGGAGAAT  
 TGCTTGAGCCCAGGAGGTGGAGGTTTCAAGTGTGAGCAAGATTGTACCCTGCACTCCAGCC  
 TGGGCAACAGAGCGAGACTCCGCTCAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for BC027454 unedited  
 GNNCGCCCGGNAATTCGCGGGTATCGTCGACCCACGCGTCCGCTTTGCGAGNATAGCG  
 CGGGAGCTGAGAAGTTCAGGGTTGAGTTGGTCCCGCAAGTCTTGGCAGTTTGTTC  
 TCTGTCTCCCGTTCCTGGTCCCCGACTGCGTCCCCACGAACGCCCGTCTTACCGC  
 CGGCTGTGTGGAGTGCCTCGTGTCTCCAGGTCCCGAGTGGCGTGAATGGGACCT  
 CTGTGGCTAGGGCAGGCCTGTGTGGTGGCACTGAGAGGGAGGAGGGGAGGGGATGTT  
 GCAGTTTCTTGGCAGCCAGGGACTTTCTTTGTCCCGCCATCCACCTCCTTAGGCCTT  
 TGGGATCGCCGACTGGTCTAATGTCGCGGCCCTTGTGGCTCTGGGAAATTAGCATTGAT  
 TAATCTTCTTAACAATTTTGTGTTTTATAGAGACAGGATCTCCCTATGTTGCCAGGCTG  
 GTCTCGAACTCCTGGGCTCAAGGTATCTTCTGCTCGGCTTCCCAAAGTGTGGGATTA  
 CAGGCGTGGAGCCCGCCAGCTCCTAATAATGTTAAGTGTGCTAGGAGTCAAGCGCTGT  
 GCTGAGCGCAGGGGCTTCCACGTCATTGCGTCCCCAGTGTCTAGTGCCAGGCACTGAGC  
 AGAGGCGCGATTCTGATTTGAACTAANACGAACCCGTCCTGAGGAACAAGACCTCTAC  
 TGGGAAGTCAAAGAAATGAATAGTGATTGTATGGTGTGATGGGTGCTCAGCTCTTGGTGG  
 ACAGAAGTAAGGNGGAGCTTTGTTGAGAACGGATACCTGACCTAAGCCTTGGGAGAAGAG  
 CAGACTGGAACACTC

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	BC027454
<b>Insert Size:</b>	2022 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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC027454.1</a> , <a href="#">AAH27454.1</a>
<b>RefSeq Size:</b>	2022 bp
<b>Locus ID:</b>	84296
<b>Cytogenetics:</b>	8p11.21
<b>Gene Summary:</b>	The yeast heterotetrameric GINS complex is made up of Sld5, Psf1 (GINS1; MIM 610608), Psf2 (GINS2; MIM 610609), and Psf3 (GINS3; MIM 610610). The formation of the GINS complex is essential for the initiation of DNA replication in yeast and Xenopus egg extracts (Ueno et al., 2005 [PubMed 16287864]). See GINS1 for additional information about the GINS complex. [supplied by OMIM, Mar 2008]