

## Product datasheet for **SC123022**

### SLD5 (GINS4) (NM\_032336) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLD5 (GINS4) (NM\_032336) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GINS4  
**Synonyms:** SLD5  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Cell Selection:** None  
**Fully Sequenced ORF:** >OriGene sequence for NM\_032336 edited

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GAGAGTAGCGCGGAGCTGAGAAGTTGCAGGGTTGAGTTGGTCCCGCAAGTCCTTGAGC
AGTTTGTCTCTGTCTTCCCGCTTCTGGTGCCCGACTGCGTCCCGACGAACGCCCG
TCCTTACCGCGGCTGTGTGGAGTGCCTCGCTGTCTCCAGGTCCCGAGTTCTTGTT
TCAGAGAAGATGACCGAAGAAGTGGATTTCTGGGACAGGACTCTGATGGGGTAGTGAG
GAAGTGGTCTAACTCCTGCAGAGCTCATTGAAAGATTGGAGCAGGCCTGGATGAATGAA
AAGTTTGGCCCTGAGCTGCTGGAGAGCAAGCCTGAGATTGTAGAATGTGTCATGGAACAG
CTGGAGCACATGGAAGAAAATCTCAGGAGAGCCAAAAGGGAGGACCTGAAGGTCAGCATC
CACCAAATGGAGATGGAGAGGATCCGCTACGTCCTCAGCAGCTACTTGCGGTGTCGCCTC
ATGAAGATAGAGAAGTTTTTCCCTCATGTCCTTGAGAAGGAAAAACACGTCCTGAGGGG
GAGCCTTCCAGCCTCTCGCCGGAAGAGTTGGCCTTTGCCAGAGAGTTCATGGCGAACACA
GAGTCCTATCTGAAAAATGTCGCCTTGAAGCACATGCCCCCTAACTTACAGAAGGTGGAC
CTCTTTCGGGCAGTTCCCAAACAGATCTAGATTCTTACGTGTTTCTGAGAGTGAGAGAA
CGACAAGAAAACATACTGGTAGAACAGACACAGATGAGCAGAGGGACTACGTGATTGAC
CTGGAGAAGGGCTCACAGCACTTGATCCGATACAAAACATTGCACCTCTGGTTGCATCT
GGAGCTGTCCAGCTAATTTAAACTAGGCATAAACAGCCAGGCATGGTGACTCAGGCCTG
TAATCCCAGCACTTTGGGAGGCCGAGGGCGGCGGATCATGAGGTCAGGAGTTCGAGACCA
ACCGACCAACATGGTGAAACCCCATCTTTACTGAAAATACAAAATAATTAGCCGGGTGTT
GGTGGTGTGCACCTGTAATCCCGCTACTCGGGGGCCGGGCAGGAGAATCGCTTGAAC
CTGGGAGCAGGAGGTTGCAGTGAGCCGAGGTCGTGCCATTGCACTCCAGCCTGGGTGACA
GTGAGACTTTGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_032336 unedited TATAGCGGCCCGCNAATTCGCCATTATGGCCGGGGAGAGTAGCGCGGGAGCTGAGAAG TTGCAAGGTTGAGTTGGTCCCGCAAGTCTTGAGCAGTTTGTTCCTCTGTCTTCCCGCT TCCTGGTGCCCGACTGCGTCCCACGAACGCCCGTCTTACC GCCGGCTGCTGTGGAG TGCTCGCTGTCTCCAGGTCCCAGTTCCTGGTTTCAGAGAAGATGACCGAAGAAGTG GATTTCCCTGGGACAGGACTCTGATGGGGTAGTGAGGAAGTGGTCCTAACTCTGCAGAG CTCATTGAAAGATTGGAGCAGGCCTGGATGAATGAAAAGTTTGCCCTGAGCTGCTGGAG AGCAAGCCTGAGATTGTAGAATGTGTCATGGAACAGCTGGAGCACATGGAAGAAAATCTC AGGAGAGCCAAAAGGGAGGACCTGAAGGTCAGCATCCACCAAATGGAGATGGAGAGGATC CGCTACGTCCTCAGCAGCTACTTGCGGTGTCGCCTCATGAAGATAGAGAAGTTTTTCCCT CATGTCCTTGAGAAGGAAAAACACGTCCTGAGGGGGAGCCTTCCAGCCTCTCGCCGGAA GAGTTGGCCTTTGCCAGAGATTGATGGCGAACACAGAGTCTATCTGNAATGTCGCCT TGAAGCACATGCCCTAACTTACAGAANGGTGACCTCTTTTCGGCAGTCCCCAACAG ATCTAGATTCTTACGTGTTTCTGAGAGTGAGAGGACGACNAGNAACATACTGGTAGAAC CAGACACAGATGAGCAGGGGACTACGTGATTGACCTGNAGAAAGGCTCACAGCACTTTG AT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_032336
<b>Insert Size:</b>	1183 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>	<u><a href="#">NM_032336.1</a></u> , <u><a href="#">NP_115712.1</a></u>
<b>RefSeq Size:</b>	1183 bp
<b>RefSeq ORF:</b>	672 bp
<b>Locus ID:</b>	84296
<b>UniProt ID:</b>	<u><a href="#">Q9BRT9</a></u>
<b>Cytogenetics:</b>	8p11.21

**Gene Summary:**

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]