

## Product datasheet for SC318758

### SYCE3 (NM\_001123225) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SYCE3 (NM_001123225) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYCE3
Synonyms:	C22orf41; THEG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318758 representing NM_001123225. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
 ATGGATGATGCTGACCCTGAGGAAAGAACTATGACAACATGCTGAAATGCTGTCAGATCTGAATAAG  
 GACTTGGAAGCTATTAGAAGAGATGGAGAAATCTCAGTGCAGGCGACCTGGATGGCCTATGACATG  
 GTGGTATGCGCACCAACCCTACGCTGGCCGAGTCCATGCGTGGCTGGAGGATGCCTTCGTCAACTGC  
 AAGGAGGAGATGGAGAAGAACTGGCAAGAGCTGCTGCATGAGACCAAGCAAAGGCTGTAG  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001123225
Insert Size:	267 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


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<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_001123225.1</a></u>
<b>RefSeq Size:</b>	442 bp
<b>RefSeq ORF:</b>	267 bp
<b>Locus ID:</b>	644186
<b>UniProt ID:</b>	<u><a href="#">A1L190</a></u>
<b>Cytogenetics:</b>	22q13.33
<b>MW:</b>	10.6 kDa
<b>Gene Summary:</b>	Major component of the transverse central element of synaptonemal complexes (SCS), formed between homologous chromosomes during meiotic prophase. Required for chromosome loading of the central element-specific SCS proteins, and for initiating synapsis between homologous chromosomes. Chromosome loading appears to require SYCP1. Required for fertility.[UniProtKB/Swiss-Prot Function]