

## Product datasheet for **SC324045**

### SCML2 (NM\_006089) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCML2 (NM_006089) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCML2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_006089.1

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CTCAAACATGGCGCGGGTGTGAAGCTCGGTGCCGGCTCGCGCATCGGTGGGACAGA
ATTTTCGTTGTTTTACCCGACGAGACTGGAGGAAACAACACAAAATAGGGATACCATGGGA
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 AATCGCAACGATTCAAAAAAAAAAAAAA

**Restriction Sites:**

ECORI-NOT

**ACCN:**

NM\_006089

**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).

<b>OTI Annotation:</b>	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.
<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>NM_006089.1, NP_006080.1</u>
<b>RefSeq Size:</b>	4130 bp
<b>RefSeq ORF:</b>	2103 bp
<b>Locus ID:</b>	10389
<b>UniProt ID:</b>	<u>Q9UQR0</u>
<b>Cytogenetics:</b>	Xp22.13
<b>Domains:</b>	SAM, MBT
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a member of the Polycomb group proteins. These proteins form the Polycomb repressive complexes which are involved in transcriptional repression. The encoded protein binds histone peptides that are monomethylated at lysine residues and may be involved in regulating homeotic gene expression during development. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.</p>