

## Product datasheet for **SC337906**

### SMC1L2 (SMC1B) (NM\_001291501) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SMC1L2 (SMC1B) (NM_001291501) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMC1B
Synonyms:	SMC1BETA; SMC1L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291501, the custom clone sequence may differ by one or more nucleotides

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ATGGCCACCTGGAGCTGCTGCTTGTGGAAAATTTCAAGTCGTGGCGGGGCCAGGTCATTGGCCCT
TCCGGAGGTTACCTGCATCATCGGCCCAACGGCTCTGGAAAATCTAATGTAATGGATGCACCTAGTTT
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TTTTGGCCGGTTCATCACTGCCATTGTTGTAGCCTCTGAAAAGGTAGCAAAAGATTGTATTCGATTTCTG
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AGTATCCAGACTGAAGCCAAGAAAAGCAGCAAGAGACACGGAGAGTCCCGCTAG
    
```

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001291501

**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).

**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:**

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\\_001291501.1](#), [NP\\_001278430.1](#)
**RefSeq Size:**

4044 bp

RefSeq ORF:	3486 bp
Locus ID:	27127
UniProt ID:	<a href="#">Q8NDV3</a>
Cytogenetics:	22q13.31
Protein Pathways:	Cell cycle, Oocyte meiosis
Gene Summary:	<p>SMC1L2 belongs to a family of proteins required for chromatid cohesion and DNA recombination during meiosis and mitosis (3:Revenkova et al., 2001 [PubMed 11564881]). [supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) lacks two alternate in-frame exons in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>