

## Product datasheet for **SC331675**

### SP100 (NM\_001206704) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SP100 (NM\_001206704) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SP100  
**Synonyms:** lysp100b  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331675 representing NM\_001206704.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATGTTACGGAAGACCAGGGTGTAGATGACAGGCTGCTCTATGACATTGTATTCAAGCACTTCAAA
AGAAATAAGGTGGAGATTCAAATGCAATAAAAAAGACATTTCCATTCCTCGAGGGCCTCCGTGATCGT
GATCTCATCACAATAAAATGTTTGAAGATTCTCAAGATTCTTGTAGAAACCTGGTCCCTGTACAGAGA
GTGGTGTACAATGTTCTTAGTGAAGTGGAGAAGACATTTAACCTGCCAGTTCTGGAAGCACTGTTCCAGC
GATGTCAACATGCAGGAATACCCCGATTTAATTCACATTTATAAAGGCTTTGAAAATGTAATCCATGAC
AAATTGCCTCTCCAAGAAAGTGAAGAAGAAGAGAGGGAGGAGGTCTGGCCTCCAATAAGTCTTGAA
CAAGGAAGTGGTAAAACCTTTTTCGAAGCCTGACTTGGCCACCTTCGGGTTCCCATCTCATGCTGGT
ACAACCCACCTGAAAATGGACTCTCAGAGCACCCCTGTGAAACAGAACAGATAAATGCAAGAGAAAA
GATACAACCAGTGACAAAGATGATTCGCTAGGAAGCCAACAAACAAATGAACAATGTGCTCAAAGGCT
GAGCCAACAGAGTCTGCGAACAATGCTGTCCAAGTGAATAATGGGGATGCTGGAAGGGAGATGCCC
TGCCCGTTGCCCTGTGATGAAGAAAGCCAGAGGCAGAGCTACACAACCATGGAATCCAAATTAATTCC
TGTTCTGTGCGACTGGTGGATAAAAAAGGAAAAGCCATTTTCTAATTCAAAAGTTGAGTGCCAAGCC
CAAGCAAGAACTCATATAACCAGGCATCTGACATAATAGTCATCAGCAGTGAGGACTCTGAAGGATCC
ACTGACGTTGATGAGCCCTTAGAAGTCTTCATCTCAGCACCGAGAAGTGAGCCTGTGATCAATAATGAC
AACCCCTTTAGAATCAAATGATGAAAAGGAGGGCCAAGAAGCCACTTGCTCAGACCCAGATTGTACCA
GAGCCCATGGATTTAGAAAATTATCTACATTCAGAGAAAGTTTTAAGAAAAGAGTGATAGGACAAGAC
CACGACTTTTCAGAAATCCAGTGAGGAGGAGGCGCCCGAGAAGCCTCGAGCGGGGCACTGAGAAGCAAG
CATGGTGAGAAGGCTCCTATGACTTCTAGAAGTACATCTACTTGGAGAATACCCAGCAGGAAGAGACGT
TTCAGCAGTAGTACTTTTCAGACCTGAGTAATGGAGAAGAGCTTCAGGAAACCTGCAGCTCATCCCTA
AGAAGAGGGTCAGGTAAGAAGATAG
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001206704  
**Insert Size:** 1338 bp



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<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_001206704.1</a></u>
<b>RefSeq Size:</b>	2050 bp
<b>RefSeq ORF:</b>	1338 bp
<b>Locus ID:</b>	6672
<b>UniProt ID:</b>	<u><a href="#">P23497</a></u>
<b>Cytogenetics:</b>	2q37.1
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	50 kDa
<b>Gene Summary:</b>	<p>This gene encodes a subnuclear organelle and major component of the PML (promyelocytic leukemia)-SP100 nuclear bodies. PML and SP100 are covalently modified by the SUMO-1 modifier, which is considered crucial to nuclear body interactions. The encoded protein binds heterochromatin proteins and is thought to play a role in tumorigenesis, immunity, and gene regulation. Alternatively spliced variants have been identified for this gene; one of which encodes a high-mobility group protein. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (6) differs in the 5' and 3' UTRs and has multiple differences in the coding region, compared to variant 1. The resulting isoform (6) has shorter and distinct N- and C-termini, compared to isoform 1.</p>