

## Product datasheet for **MC226954**

### Spp1 (NM\_001204202) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Spp1 (NM\_001204202) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Spp1  
**Synonyms:** 2AR; Apl-1; BNSP; Bsp; BSPI; Eta; ETA-1; OP; Opn; Opnl; Ric; Spp-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226954 representing NM\_001204202  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGGCTGCAGTTCTCCTGGCTGAATTCTGAGGGACTAACTACGACCATGAGATTGGCAGTGATTTGCT  
TTTGCCTGTTGGCATTGCCTCCTCCCTCCCGGTGAAAGTGACTGATTCTGGCAGCTCAGAGGAGAAGCT  
TTACAGCTGCACCCAGATCCTATAGCCACATGGCTGGTGCCTGACCCATCTCAGAAGCAGAATCTCCTT  
GCGCCACAGAATGCTGTCTCCTCTGAAGAAAAGGATGACTTTAAGCAAGAACTCTTCCAAGCAATTCCA  
ATGAAAGCCATGACCACATGGACGACGATGATGACGATGATGATGACGATGGAGACCATGCAGAGAGCGA  
GGATTCTGTGGACTCGGATGAATCTGACGAATCTCACCATTCCGGATGAGTCTGATGAGACCGTCACTGCT  
AGTACACAAGCAGACACTTTCACTCCAATCGTCCCTACAGTCGATGTCCCAACGGCCGAGGTGATAGCT  
TGGCTTATGGACTGAGGTCAAAGCTAGGAGTTTCCAGGTTTCTGATGAACAGTATCCTGATGCCACAGA  
TGAGGACCTCACCTCTCATGAAGAGCGGTGAGTCTAAGGAGTCCCTCGATGTCATCCCTGTTGCCAG  
CTTCTGAGCATGCCCTCTGATCAGGACAACAACGGAAAGGCAGCCATGAGTCAAGTCAAGTGGATGAAC  
CAAGTCTGGAAACACACAGACTTGAGCATTCCAAGAGAGCCAGGAGAGTGCCGATCAGTCGGATGTGAT  
CGATAGTCAAGCAAGTTCCAAGCCAGCCTGGAACATCAGAGCCACAAGTTTACAGCCACAAGGACAAG  
CTAGTCTAGACCCTAAGAGTAAGGAAGATGATAGGTATCTGAAATTCGAATTTCTCATGAATTAGAGA  
GTTTCATCTTCTGAGGTCAACT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001204202  
**Insert Size:** 933 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001204202.1</a></u> , <u><a href="#">NP_001191131.1</a></u>
<b>RefSeq Size:</b>	1480 bp
<b>RefSeq ORF:</b>	933 bp
<b>Locus ID:</b>	20750
<b>Cytogenetics:</b>	5 50.68 cM
<b>Gene Summary:</b>	<p>Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>