

## Product datasheet for MC226857

### Spp1 (NM\_001204233) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Spp1 (NM\_001204233) 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:** >MC226857 representing NM\_001204233  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGATTGGCAGTGATTGCTTTTGCCTGTTTGGCATTGCCTCCTCCCTCCCGGTGAAAGTGACTGATT  
 CTGGCAGCTCAGAGGAGAAGCTTTACAGCCTGCACCCAGATCCTATAGCCACATGGCTGGTGCCTGACCC  
 ATCTCAGAAGCAGAATCTCCTTGCGCCACAGAATGCTGTGTCCTCTGAAGAAAAGGATGACTTTAAGCAA  
 GAAACTCTTCCAAGCAATCCAATGAAAGCCATGACCACATGGACGACGATGATGACGATGATGATGACG  
 ATGGAGACCATGCAGAGAGCGAGGATTCTGTGGACTCGGATGAATCTGACGAATCTCACCATTCGGATGA  
 GTCTGATGAGACCGTCACTGCTAGTACACAAGCAGACACTTTCACTCCAATCGTCCCTACAGTGCATGTC  
 CCCAACGGCCGAGGTGATAGCTTGGCTTATGGACTGAGGTCAAAGTCTAGGAGTTTCCAGGTTTCTGATG  
 AACAGTATCCTGATGCCACAGATGAGGACCTCACCTCTCACATGAAGAGCGGTGAGTCTAAGGAGTCCCT  
 CGATGTATCCCTGTTGCCAGCTTCTGAGCATGCCCTCTGATCAGGACAACAACGGAAAGGGCAGCCAT  
 GAGTCAAGTCAGCTGGATGAACCAAGTCTGAAACACACAGACTTGAGCATTCCAAGAGAGCCAGGAGA  
 GTGCCGATCAGTCGGATGTGATCGATAGTCAAGCAAGTTCCAAGCCAGCCTGGAACATCAGAGCCACAA  
 GTTTCACAGCCACAAGGACAAGCTAGTCTAGACCCCTAAGAGTAAGGAAGATGATAGGTATCTGAAATTC  
 CGAATTTCTCATGAATTAGAGAGTTCATCTTCTGAGGTCAACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001204233  
**Insert Size:** 885 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>	<a href="#">NM_001204233.1</a> , <a href="#">NP_001191162.1</a>
<b>RefSeq Size:</b>	1517 bp
<b>RefSeq ORF:</b>	885 bp
<b>Locus ID:</b>	20750
<b>UniProt ID:</b>	<a href="#">P10923</a>
<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 (5) differs in the 5' UTR, uses a downstream in-frame start codon and lacks an exon in the coding region, compared to variant 1. Variants 4 and 5 encode the same isoform (4), which is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>