

Product datasheet for MC226957

Spp1 (NM_001204201) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spp1 (NM_001204201) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spp1
Synonyms:	2AR; Apl-1; BNSP; Bsp; BSPI; Eta; ETA-1; OP; Opn; Opnl; Ric; Spp-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226957 representing NM_001204201 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCTGCAGTTCTCCTGGCTGAATTCTGAGGGACTAACTACGACCATGAGATTGGCAGTGATTTGCT
TTTGCCTGTTGGCATTGCCTCCTCCCTCCCGGTGAAAGTGACTGATTCTGGCAGCTCAGAGGAGAAGAA
GCTTTACAGCCTGCACCCAGATCCTATAGCCACATGGCTGGTGCCTGACCCATCTCAGAAGCAGAATCTC
CTTGCGCCACAGAATGCTGTGCCTCTGAAGAAAAGGATGACTTTAAGCAAGAACTCTTCCAAGCAATT
CCAATGAAAGCCATGACCACATGGACGACGATGATGACGATGATGATGACGATGGAGACCATGCAGAGAG
CGAGGATTCTGTGGACTCGGATGAATCTGACGAATCTCACCATTCCGATGAGTCTGATGAGACCGTCACT
GCTAGTACACAAGCAGACACTTTCACTCCAATCGTCCCTACAGTCGATGTCCCAACGGCCGAGGTGATA
GCTTGGCTTATGGACTGAGGTCAAAGTCTAGGAGTTTCCAGGTTTCTGATGAACAGTATCCTGATGCCAC
AGATGAGGACCTCACCTCTCACATGAAGAGCGGTGAGTCTAAGGAGTCCCTCGATGTCACTCCCTGTTGCC
CAGTTCTGAGCATGCCCTCTGATCAGGACAACAACGAAAGGGCAGCCATGAGTCAAGTCAAGTGGATG
AACCAAGTCTGGAACACACAGACTTGAGCATTCAAAGAGAGCCAGGAGAGTCCGATCAGTCCGATGT
GATCGATAGTCAAGCAAGTTCAAAGCCAGCCTGGAACATCAGAGCCACAAGTTTACAGCCACAAGGAC
AAGCTAGTCCTAGACCCTAAGAGTAAGGAAGATGATAGGTATCTGAAATTCGAAATTTCTCATGAATTAG
AGAGTTCATCTTCTGAGGTCAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001204201



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Insert Size:	936 bp
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001204201.1</u> , <u>NP_001191130.1</u>
RefSeq Size:	1475 bp
RefSeq ORF:	936 bp
Locus ID:	20750
Cytogenetics:	5 50.68 cM
Gene Summary:	<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 (1) encodes the longest 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>