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Product datasheet for MR229079

Spp1 (NM_001204203) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spp1 (NM_001204203) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)

ORF Nucleotide Sequence:

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>MR229079 representing NM_001204203
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGATTGGCAGTGATTTGCTTTTGCCTGTTTGGCATTGCCTCCTCCCTCCCGGTGAAAGTGACTGATT
CTGGCAGCTCAGAGGAGAAGAAGCTTTACAGCCTGCACCCAGATCCTATAGCCACATGGCTGGTGCCTGA
CCCATCTCAGAAGCAGAATCTCCTTGCGCCACAGAATGCTGTGTCCTCTGAAGAAAAGGATGACTTTAAG
CAAGAAACTCTTCCAAGCAATTCCAATGAAAGCCATGACCACATGGACGACGATGATGACGATGATGATG
ACGATGGAGACCATGCAGAGAGCGAGGATTCTGTGGACTCGGATGAATCTGACGAATCTCACCATTCGGA
TGAGTCTGATGAGACCGTCACTGCTAGTACACAAGCAGACACTTTCACTCCAATCGTCCCTACAGTCGAT
GTCCCCAACGGCCGAGGTGATAGCTTGGCTTATGGACTGAGGTCAAAGTCTAGGAGTTTCCAGGTTTCTG
ATGAACAGTATCCTGATGCCACAGATGAGGACCTCACCTCTCACATGAAGAGCGGTGAGTCTAAGGAGTC
CCTCGATGTCATCCCTGTTGCCCAGCTTCTGAGCATGCCCTCTGATCAGGACAACAACGGAAAGGGCAGC
CATGAGTCAAGTCAGCTGGATGAACCAAGTCTGGAAACACACAGACTTGAGCATTCCAAAGAGAGCCAGG
AGAGTGCCGATCAGTCGGATGTGATCGATAGTCAAGCAAGTTCCAAAGCCAGCCTGGAACATCAGAGCCA
CAAGTTTCACAGCCACAAGGACAAGCTAGTCCTAGACCCTAAGAGTAAGGAAGATGATAGGTATCTGAAA
TTCCGAATTTCTCATGAATTAGAGAGTTCATCTTCTGAGGTCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

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>MR229079 representing NM_001204203
Red=Cloning site Green=Tags(s)

MRLAVICFCLFGIASSLPVKVTDSGSSEEKKLYSLHPDPIATWLVPDPSQKQNLLAPQNAVSSEEKDDFK
QETLPSNSNESHDHMDDDDDDDDDDGDHAESEDSVDSDESDESHHSDESDETVTASTQADTFTPIVPTVD
VPNGRGDSLAYGLRSKSRSFQVSDEQYPDATDEDLTSHMKSGESKESLDVIPVAQLLSMPSDQDNNGKGS
HESSQLDEPSLETHRLEHSKESQESADQSDVIDSQASSKASLEHQSHKFHSHKDKLVLDPKSKEDDRYLK
FRISHELESSSSEVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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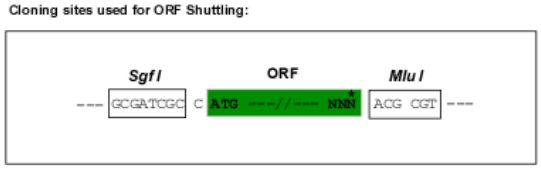
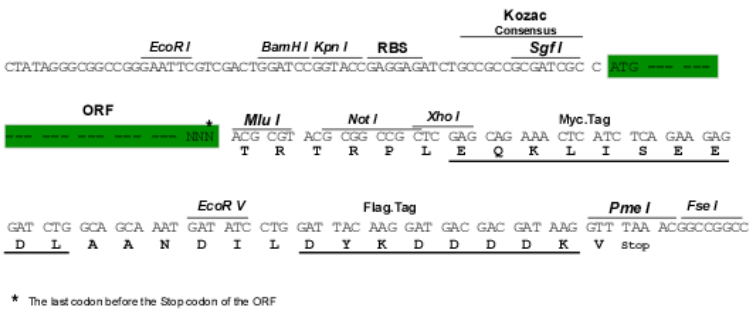
Restriction Sites: SgfI-MluI

Cloning Scheme:





ACCN: NM_001204203

ORF Size: 885 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

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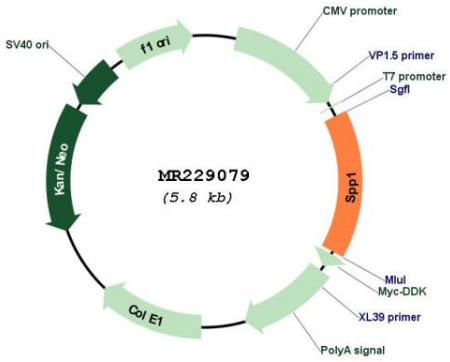
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_001204203.1, NP_001191132.1
RefSeq Size:	1423 bp
RefSeq ORF:	888 bp
Locus ID:	20750
Cytogenetics:	5 50.68 cM
MW:	33 kDa
Gene Summary:	Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229079

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