

Product datasheet for MR204230

Sparc (NM_009242) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sparc (NM_009242) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sparc
Synonyms:	BM-40; ON
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204230 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGCCTGGATCTTCTTTCTCCTTTGCCTGGCCGGGAGGGCCCTGGCAGCCCTCAGCAGACTGAAG
TTGCTGAGGAGATAGTGGAGGAGAAACCGTGGTGGAGGAGACAGGGGTACCTGTGGGTGCCAACCCAGT
CCAGGTGAAATGGGAGAATTTGAGGACGGTGCAGAGGAAACGGTCGAGGAGGTGGTGGCTGACAACCC
TGCCAGAACCATCATTGCAAACATGGCAAGGTGTGTGAGCTGGACGAGAGCAACACCCCATGTGTGTGT
GCCAGGACCCACCAGCTGCCCTGCTCCCATTGGCGAGTTTGTGAGAGGTATGCAGCAATGACAACAAGAC
CTTCGACTCTTCCTGCCACTTCTTTGCCACCAAGTGCACCTGGAGGGCACAAGAAGGGCCACAAGCTC
CACCTGGACTACATCGGACCATGCAAATACATCGCCCCCTGCCTGGATCCGAGCTGACCGAATTCCTC
TGCGCATGCGTGACTGGCTCAAAAATGTCTGGTACCTTGTACGAGAGAGATGAGGGCAACAACCTCCT
CACTGAGAAGCAGAAGCTGCGTGTGAAGAAGATCCATGAGAATGAGAAGCGCCTGGAGGCTGGAGACCAC
CCCGTGGAGCTGTTGGCCCGAGACTTTGAGAAGAATAACAATATGTACATCTTCCTGTCCACTGGCAGT
TTGGCCAGCTGGATCAGCACCTATTGATGGGTACCTGTCCACACTGAGCTGGCCCCACTGCGTGCTCC
CCTCATCCCCATGGAACATTGCACCACAGTTTCTTTGAGACCTGTGACCTAGACAACGACAAGTACATT
GCCCTGGAGGAATGGGCCGGCTGCTTTGGCATCAAGGAGCAGGACATCAACAAGGATCTGGTGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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:

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_009242.2](#)

RefSeq Size: 2641 bp

RefSeq ORF: 909 bp

Locus ID: 20692

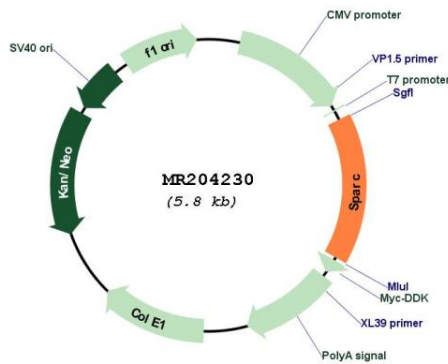
UniProt ID: [P07214](#)

Cytogenetics: 11 33.04 cM

MW: 34.5 kDa

Gene Summary: Appears to regulate cell growth through interactions with the extracellular matrix and cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell membranes. There are two calcium binding sites; an acidic domain that binds 5 to 8 Ca(2+) with a low affinity and an EF-hand loop that binds a Ca(2+) ion with a high affinity. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204230